LSC Area Percent Report

Data Path : Z:\svoasrv\HPCHEM1\BNA_P\Data\BP010721\
Data File : BP004491.D
Acq On : 07 Jan 2021 21:27
Operator : CG/JU
Sample : M1023-01 2X
Misc :
ALS Vial : 14 Sample Multiplier: 1

Instrument : BNA_P
ClientSampleId : SU-04-010621

Integration Parameters: rteint.p
Integrator: RTE
Smoothing : ON Filtering: 5
Sampling : 1 Min Area: 3 % of largest Peak
Start Thrs: 0.2 Max Peaks: 100
Stop Thrs : 0 Peak Location: TOP

If leading or trailing edge < 100 prefer < Baseline drop else tangent >
Peak separation: 5

Method : Z:\SVOASRV\HPCHEM1\BNA_P\METHODS\8270E-BP121120.M
Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

Signal : TIC: BP004491.D\data.ms

peak #	R.T. min	first scan	max scan	last scan	PK TY	peak height	corr. area	corr. % max.	% of total
1	4.946	294	299	307	rVB	134434	217141	2.84%	0.173%
2	5.405	371	377	388	rVB	1937279	3004524	39.32%	2.396%
3	6.987	638	646	662	rVV	2067888	3531446	46.22%	2.817%
4	7.816	779	787	797	rBV	1244652	2008052	26.28%	1.602%
5	8.358	868	879	885	rBV3	54795	144476	1.89%	0.115%
6	8.975	977	984	992	rVV	1309189	2268108	29.68%	1.809%
7	9.046	992	996	1000	rVB	86880	130062	1.70%	0.104%
8	9.534	1075	1079	1085	rVB2	88080	142291	1.86%	0.113%
9	9.799	1119	1124	1132	rVB4	80671	172807	2.26%	0.138%
10	10.316	1206	1212	1221	rBV2	57917	128861	1.69%	0.103%
11	10.610	1251	1262	1268	rBV	1743560	3416855	44.72%	2.725%
12	10.663	1268	1271	1279	rVV4	100197	221770	2.90%	0.177%
13	10.734	1279	1283	1287	rVV4	65544	131128	1.72%	0.105%
14	10.781	1287	1291	1296	rVB	122022	178545	2.34%	0.142%
15	11.316	1371	1382	1390	rBV8	115647	399730	5.23%	0.319%
16	11.457	1400	1406	1412	rVB5	109206	196149	2.57%	0.156%
17	11.534	1412	1419	1426	rBV6	122902	264378	3.46%	0.211%
18	11.646	1433	1438	1442	rBV	190375	351448	4.60%	0.280%
19	11.810	1460	1466	1474	rVB3	145747	280744	3.67%	0.224%
20	11.904	1474	1482	1486	rBV7	64333	132761	1.74%	0.106%
21	12.046	1500	1506	1511	rBV	358268	580349	7.60%	0.463%
22	12.275	1537	1545	1552	rVB4	195925	507890	6.65%	0.405%
23	12.499	1577	1583	1585	rBV3	172449	293549	3.84%	0.234%
24	12.534	1585	1589	1594	rVB	200662	339980	4.45%	0.271%
25	12.681	1607	1614	1617	rBV5	98036	192080	2.51%	0.153%
26	12.793	1629	1633	1636	rBV4	78158	134755	1.76%	0.107%
27	12.951	1655	1660	1664	rBV3	124718	238175	3.12%	0.190%
28	13.004	1665	1669	1674	rVV3	335645	524852	6.87%	0.419%
29	13.081	1674	1682	1692	rVV	3477271	5460429	71.46%	4.355%
30	13.163	1693	1696	1703	rVB7	88000	142981	1.87%	0.114%
31	13.293	1712	1718	1725	rVB	567602	878907	11.50%	0.701%
32	13.404	1730	1737	1742	rVV3	165196	419057	5.48%	0.334%
33	13.457	1743	1746	1749	rVB3	115566	142802	1.87%	0.114%
34	13.622	1769	1774	1782	rBV3	135209	351706	4.60%	0.281%
35	13.740	1790	1794	1796	rBV5	103469	156103	2.04%	0.125%
36	13.787	1798	1802	1806	rVV2	187560	350270	4.58%	0.279%

LSC Area Percent Report

Data Path : Z:\svoasrv\HPCHEM1\BNA_P\Data\BP010721\
Data File : BP004491.D
Acq On : 07 Jan 2021 21:27
Operator : CG/JU
Sample : M1023-01 2X
Misc :
ALS Vial : 14 Sample Multiplier: 1

Instrument : BNA_P
ClientSampleId : SU-04-010621

Integration Parameters: rteint.p
Integrator: RTE
Smoothing : ON Filtering: 5
Sampling : 1 Min Area: 3 % of largest Peak
Start Thrs: 0.2 Max Peaks: 100
Stop Thrs : 0 Peak Location: TOP

If leading or trailing edge < 100 prefer < Baseline drop else tangent >
Peak separation: 5

Method : Z:\SVOASRV\HPCHEM1\BNA_P\METHODS\8270E-BP121120.M
Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

37	13.834	1807	1810	1817	rVV4	161644	298643	3.91%	0.238%
38	13.922	1821	1825	1828	rVV2	212596	337632	4.42%	0.269%
39	13.951	1828	1830	1834	rVV	268771	318771	4.17%	0.254%
40	13.993	1834	1837	1840	rVV3	126989	147733	1.93%	0.118%
41	14.187	1863	1870	1876	rBV	352929	673851	8.82%	0.537%
42	14.369	1896	1901	1906	rBV	712634	960400	12.57%	0.766%
43	14.469	1909	1918	1924	rVV	2561654	4169253	54.56%	3.325%
44	14.528	1925	1928	1934	rVV	226425	381239	4.99%	0.304%
45	14.598	1936	1940	1948	rVB8	124528	247818	3.24%	0.198%
46	14.869	1983	1986	1993	rVB2	264334	415842	5.44%	0.332%
47	14.993	2004	2007	2016	rVB6	236717	422630	5.53%	0.337%
48	15.087	2016	2023	2027	rBV4	151563	383248	5.02%	0.306%
49	15.328	2060	2064	2069	rVB2	663936	854350	11.18%	0.681%
50	15.516	2092	2096	2101	rBV	388258	615489	8.05%	0.491%
51	15.734	2128	2133	2138	rVB	353107	602178	7.88%	0.480%
52	15.887	2156	2159	2165	rBV3	92443	155516	2.04%	0.124%
53	15.963	2166	2172	2180	rVB	2670725	3950159	51.70%	3.150%
54	16.192	2207	2211	2214	rBV	800842	1158154	15.16%	0.924%
55	16.534	2266	2269	2273	rVB3	144168	191526	2.51%	0.153%
56	16.581	2273	2277	2284	rVB4	138666	282032	3.69%	0.225%
57	16.804	2312	2315	2319	rVB2	129180	155244	2.03%	0.124%
58	16.881	2325	2328	2335	rVB3	146603	227061	2.97%	0.181%
59	16.992	2343	2347	2351	rVV	616916	769661	10.07%	0.614%
60	17.045	2351	2356	2365	rVB	582219	1063897	13.92%	0.849%
61	17.228	2382	2387	2391	rBV	2809124	4200251	54.97%	3.350%
62	17.269	2391	2394	2401	rVB	2842640	3984555	52.15%	3.178%
63	17.363	2406	2410	2415	rVB	708752	997737	13.06%	0.796%
64	17.422	2417	2420	2425	rVB3	124124	194113	2.54%	0.155%
65	17.634	2453	2456	2466	rVB2	181326	389875	5.10%	0.311%
66	17.734	2469	2473	2479	rVV2	645903	902025	11.80%	0.719%
67	17.810	2483	2486	2495	rVB2	217590	387938	5.08%	0.309%
68	17.904	2497	2502	2506	rVB	1395614	1675510	21.93%	1.336%
69	18.098	2531	2535	2540	rBV	547456	982016	12.85%	0.783%
70	18.145	2540	2543	2548	rVB	713129	953868	12.48%	0.761%
71	18.228	2553	2557	2560	rVV	258636	346095	4.53%	0.276%
72	18.286	2562	2567	2571	rVV2	855450	1569861	20.54%	1.252%
73	18.322	2571	2573	2578	rVB	451360	541616	7.09%	0.432%
74	18.404	2584	2587	2591	rBV	541153	648668	8.49%	0.517%
75	18.581	2614	2617	2621	rBV	334901	449864	5.89%	0.359%
76	18.622	2621	2624	2633	rVB2	328733	560003	7.33%	0.447%

LSC Area Percent Report

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Acq On : 07 Jan 2021 21:27
Operator : CG/JU
Sample : M1023-01 2X
Misc :
ALS Vial : 14 Sample Multiplier: 1

Instrument : BNA_P
ClientSampleId : SU-04-010621

Integration Parameters: rteint.p
Integrator: RTE
Smoothing : ON Filtering: 5
Sampling : 1 Min Area: 3 % of largest Peak
Start Thrs: 0.2 Max Peaks: 100
Stop Thrs : 0 Peak Location: TOP

If leading or trailing edge < 100 prefer < Baseline drop else tangent >
Peak separation: 5

Method : Z:\SVOASRV\HPCHEM1\BNA_P\METHODS\8270E-BP121120.M
Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

77	18.857	2661	2664	2670	rVB2	488116	687619	9.00%	0.548%
78	18.945	2676	2679	2682	rBV	140591	192342	2.52%	0.153%
79	19.010	2683	2690	2692	rBV4	4771466	6264696	81.99%	4.996%
80	19.039	2692	2695	2700	rVB3	3034106	3780105	49.47%	3.015%
81	19.128	2706	2710	2713	rBV	283382	455100	5.96%	0.363%
82	19.169	2714	2717	2725	rVB2	585304	750208	9.82%	0.598%
83	19.245	2725	2730	2736	rBV	5126006	6762304	88.50%	5.393%
84	19.339	2744	2746	2750	rVB2	146236	159158	2.08%	0.127%
85	19.481	2767	2770	2773	rBV2	240844	277990	3.64%	0.222%
86	19.598	2781	2790	2798	rVB	4312228	7641127	100.00%	6.094%
87	19.669	2799	2802	2808	rBV2	300900	453180	5.93%	0.361%
88	19.792	2818	2823	2828	rVB	4712824	6127246	80.19%	4.887%
89	19.910	2840	2843	2851	rBV3	301320	738101	9.66%	0.589%
90	20.086	2869	2873	2878	rVB3	791190	1348940	17.65%	1.076%
91	20.181	2886	2889	2893	rVB	528821	576892	7.55%	0.460%
92	20.239	2896	2899	2902	rVB	458818	528249	6.91%	0.421%
93	20.375	2919	2922	2926	rBV	369350	497269	6.51%	0.397%
94	20.669	2968	2972	2976	rBV	986759	1447000	18.94%	1.154%
95	21.322	3077	3083	3087	rBV2	3711779	7261051	95.03%	5.791%
96	21.363	3087	3090	3100	rVB	2125846	2801520	36.66%	2.234%
97	22.969	3358	3363	3369	rBV	1416559	3413794	44.68%	2.723%
98	23.480	3446	3450	3458	rVB	937322	1728722	22.62%	1.379%
99	23.580	3462	3467	3475	rVB	1470302	3059183	40.04%	2.440%
100	23.686	3480	3485	3490	rVB2	1550448	2828998	37.02%	2.256%

Sum of corrected areas: 125382277

Data Path : Z:\svoasrv\HPCHEM1\BNA_P\Data\BP010721\
Data File : BP004491.D
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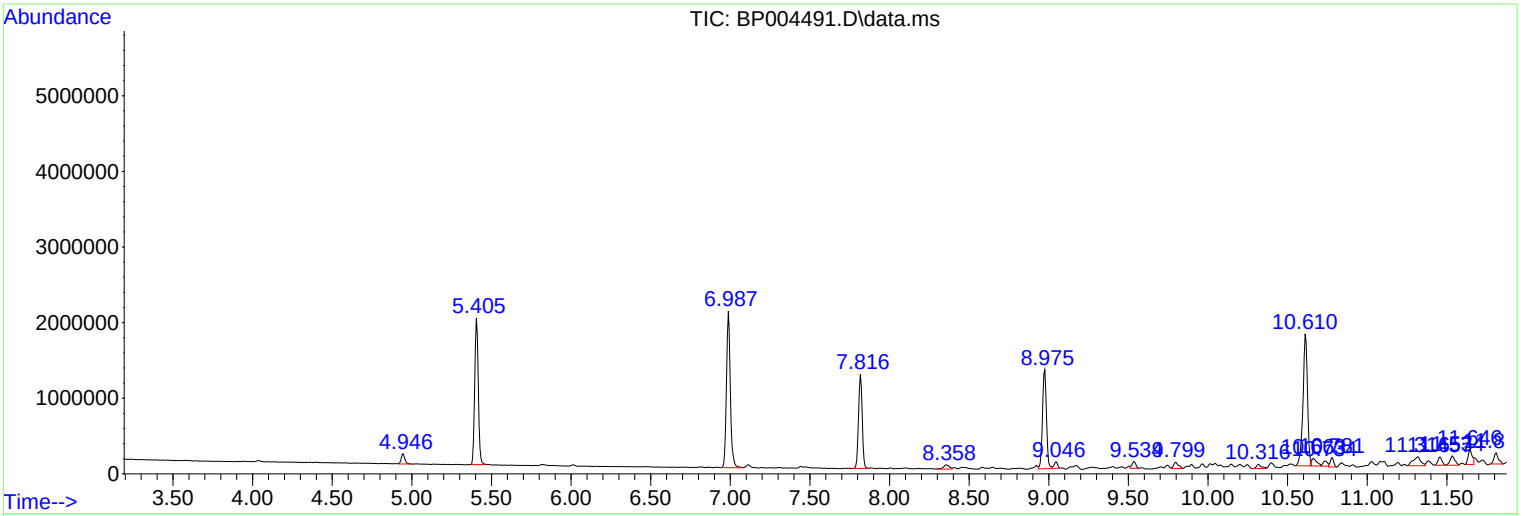
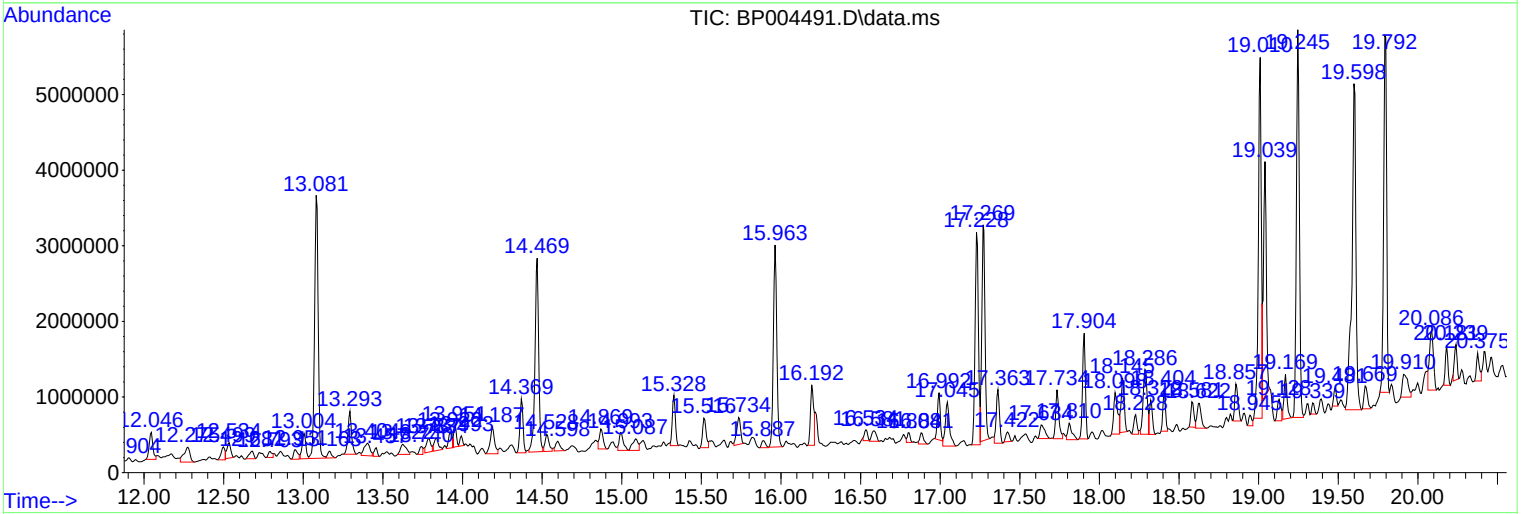
Operator : CG/JU
Sample : M1023-01 2X
Misc :
ALS Vial : 14 Sample Multiplier: 1

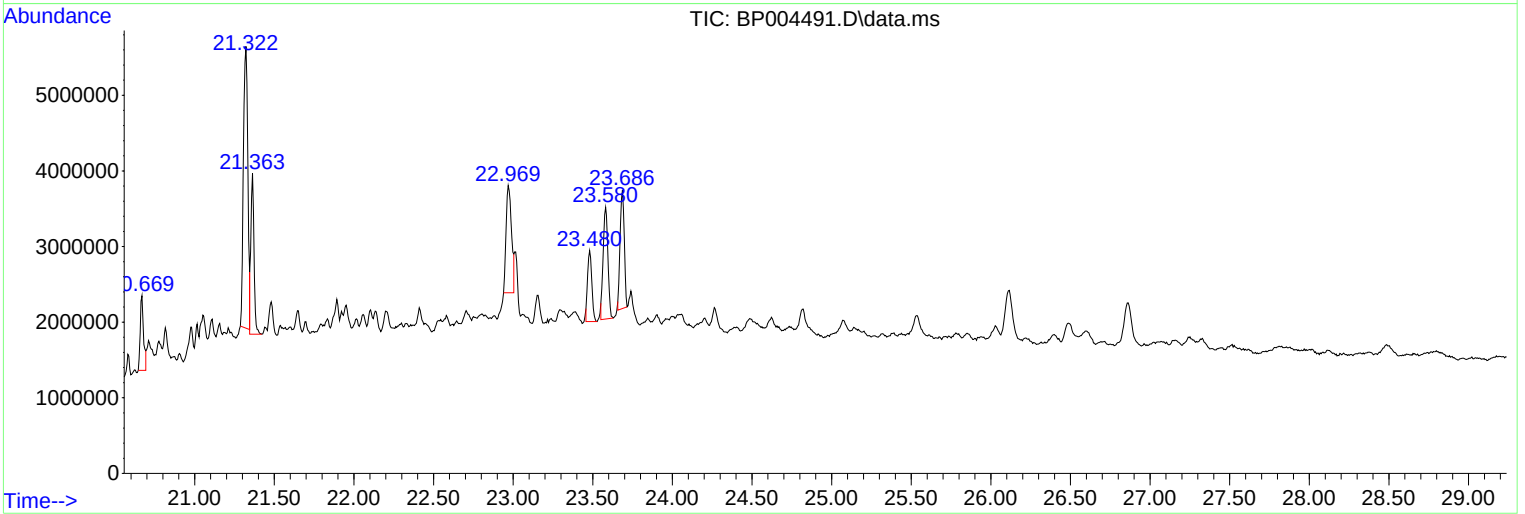
Instrument :
BNA_P
ClientSampleId :
SU-04-010621

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_P\METHODS\8270E-BP121120.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P







Data Path : Z:\svoasrv\HPCHEM1\BNA_P\Data\BP010721\
Data File : BP004491.D
Acq On : 07 Jan 2021 21:27
Operator : CG/JU
Sample : M1023-01 2X
Misc :
ALS Vial : 14 Sample Multiplier: 1

Instrument : BNA_P
ClientSampleId : SU-04-010621

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_P\METHODS\8270E-BP121120.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

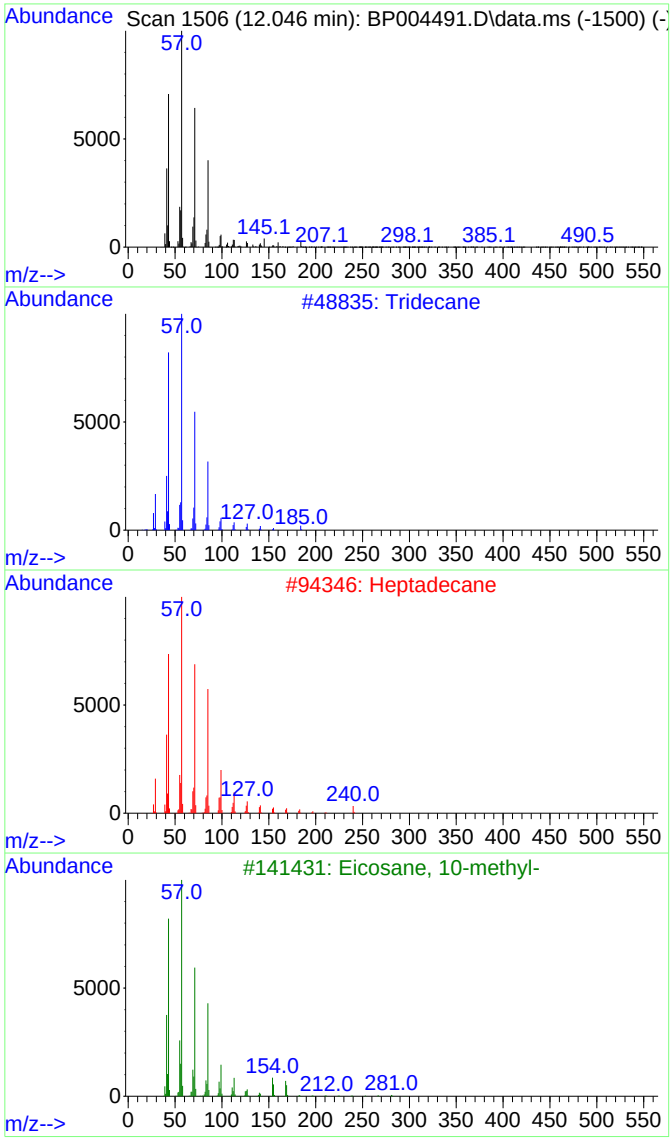
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

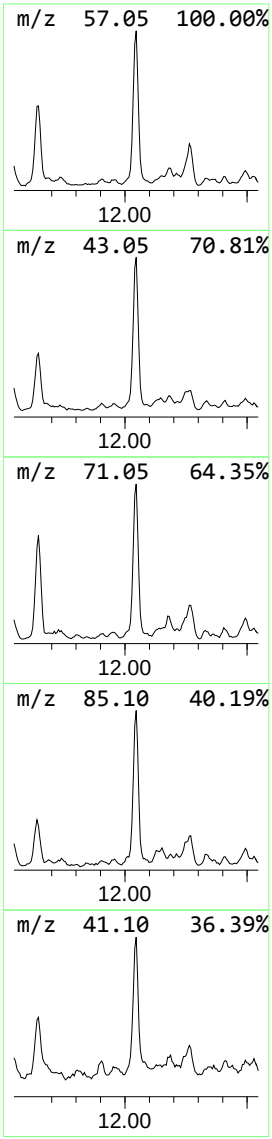
****

Peak Number 1 Tridecane Concentration Rank 18

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.046	3.40 ng	580349	Naphthalene-d8	10.610

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Tridecane	184	C13H28	000629-50-5	90
2	Heptadecane	240	C17H36	000629-78-7	90
3	Eicosane, 10-methyl-	296	C21H44	054833-23-7	80
4	Dodecane, 2-methyl-	184	C13H28	001560-97-0	72
5	Decane	142	C10H22	000124-18-5	68





Data Path : Z:\svoasrv\HPCHEM1\BNA_P\Data\BP010721\
Data File : BP004491.D
Acq On : 07 Jan 2021 21:27
Operator : CG/JU
Sample : M1023-01 2X
Misc :
ALS Vial : 14 Sample Multiplier: 1

Instrument :
BNA_P
ClientSampleId :
SU-04-010621

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_P\METHODS\8270E-BP121120.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

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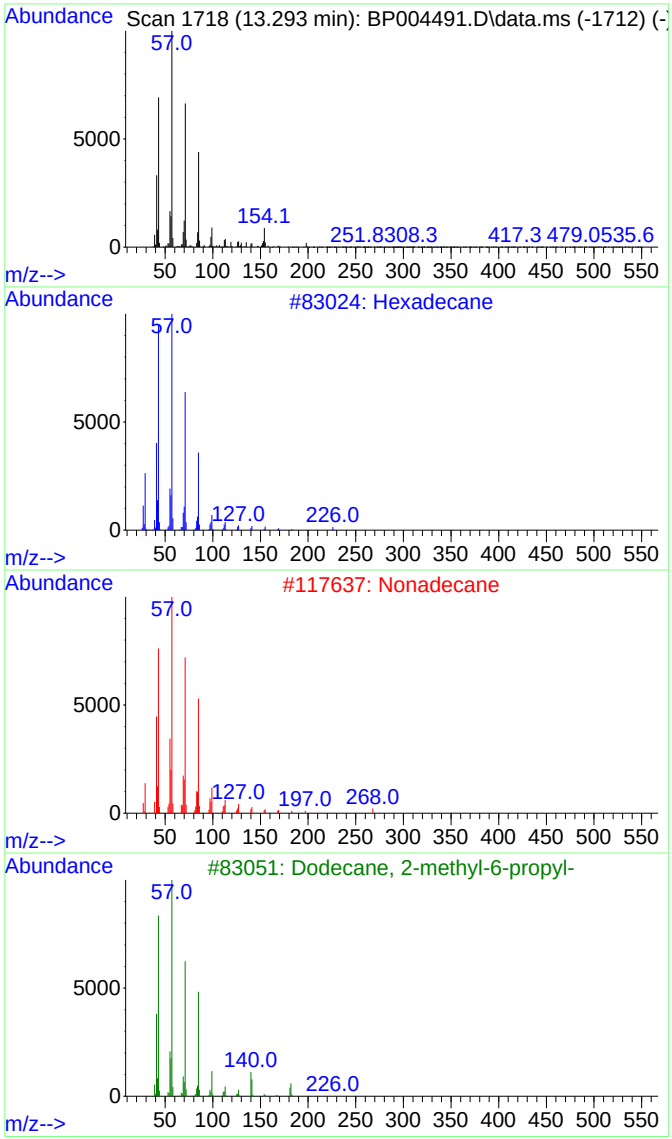
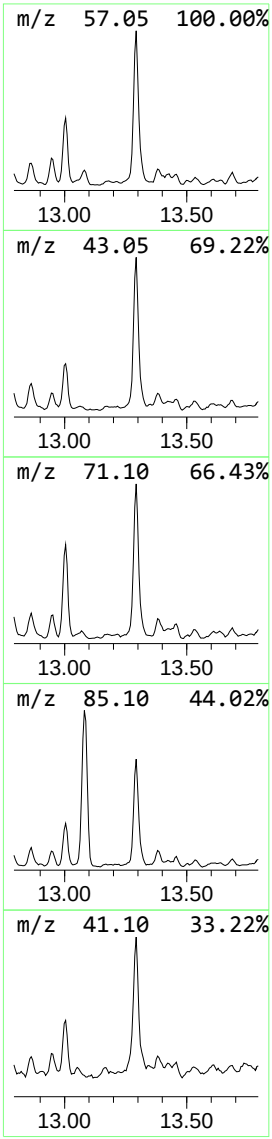
Peak Number 2 Hexadecane Concentration Rank 12

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.293	4.22 ng	878907	Acenaphthene-d10	14.469

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Hexadecane	226	C16H34	000544-76-3	90
2	Nonadecane	268	C19H40	000629-92-5	80
3	Dodecane, 2-methyl-6-propyl-	226	C16H34	055045-08-4	80
4	Tridecane, 1-iodo-	310	C13H27I	035599-77-0	72
5	Pentadecane	212	C15H32	000629-62-9	72





Data Path : Z:\svoasrv\HPCHEM1\BNA_P\Data\BP010721\
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Acq On : 07 Jan 2021 21:27
Operator : CG/JU
Sample : M1023-01 2X
Misc :
ALS Vial : 14 Sample Multiplier: 1

Instrument :
BNA_P
ClientSampleId :
SU-04-010621

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_P\METHODS\8270E-BP121120.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

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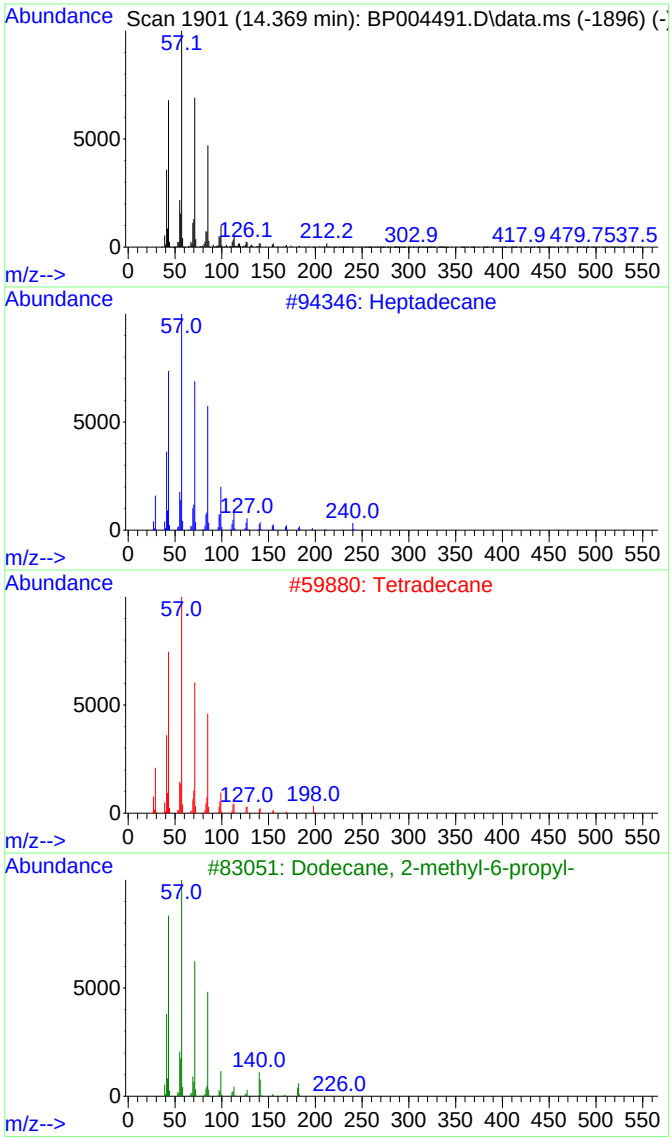
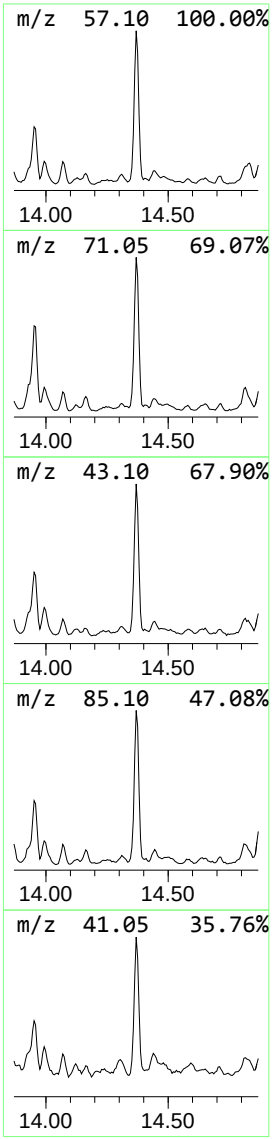
Peak Number 3 Heptadecane Concentration Rank 9

R.T.	EstConc	Area	Relative to ISTD	R.T.
14.369	4.61 ng	960400	Acenaphthene-d10	14.469

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Heptadecane	240	C17H36	000629-78-7	90
2	Tetradecane	198	C14H30	000629-59-4	90
3	Dodecane, 2-methyl-6-propyl-	226	C16H34	055045-08-4	86
4	Dodecane, 2-methyl-	184	C13H28	001560-97-0	86
5	Hexadecane	226	C16H34	000544-76-3	64





Data Path : Z:\svoasrv\HPCHEM1\BNA_P\Data\BP010721\
Data File : BP004491.D
Acq On : 07 Jan 2021 21:27
Operator : CG/JU
Sample : M1023-01 2X
Misc :
ALS Vial : 14 Sample Multiplier: 1

Instrument :
BNA_P
ClientSampleId :
SU-04-010621

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_P\METHODS\8270E-BP121120.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

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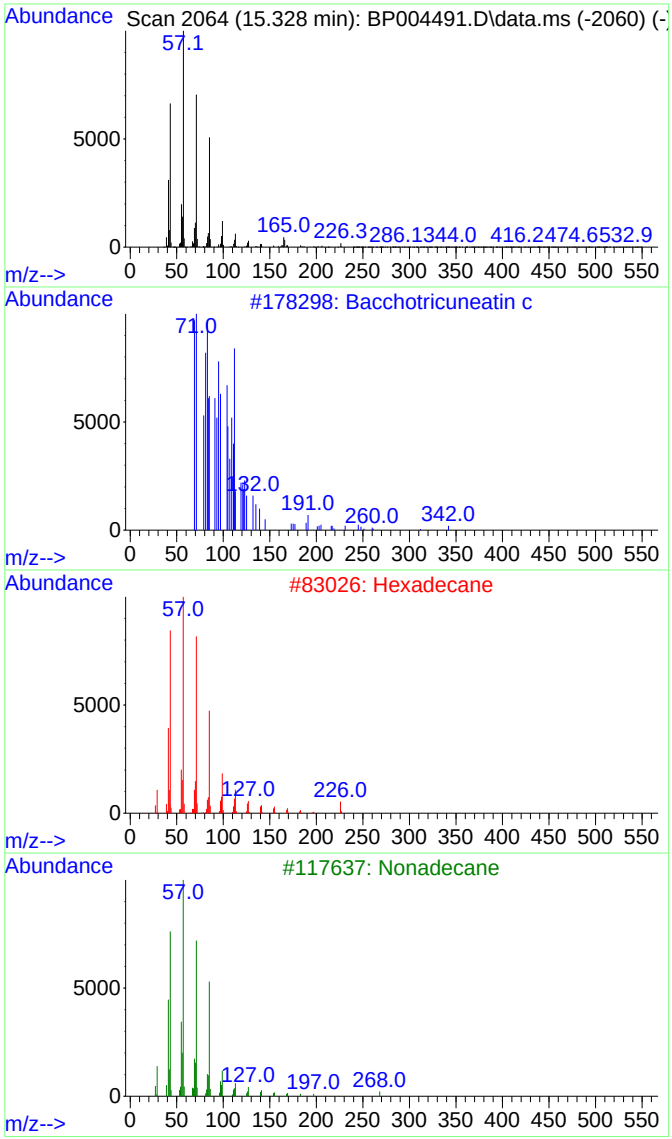
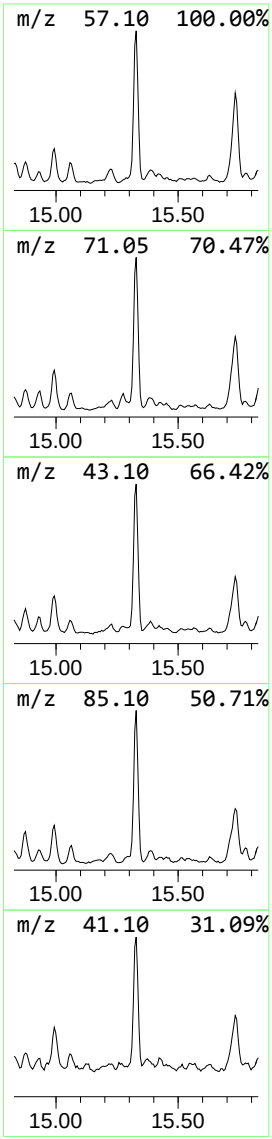
Peak Number 4 Bacchotricuneatin c Concentration Rank 13

R.T.	EstConc	Area	Relative to ISTD	R.T.
15.328	4.10 ng	854350	Acenaphthene-d10	14.469

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Bacchotricuneatin c	342	C20H22O5	066563-30-2	91
2	Hexadecane	226	C16H34	000544-76-3	89
3	Nonadecane	268	C19H40	000629-92-5	87
4	Heptadecane	240	C17H36	000629-78-7	86
5	Tetradecane	198	C14H30	000629-59-4	80





Data Path : Z:\svoasrv\HPCHEM1\BNA_P\Data\BP010721\
Data File : BP004491.D
Acq On : 07 Jan 2021 21:27
Operator : CG/JU
Sample : M1023-01 2X
Misc :
ALS Vial : 14 Sample Multiplier: 1

Instrument :
BNA_P
ClientSampleId :
SU-04-010621

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_P\METHODS\8270E-BP121120.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

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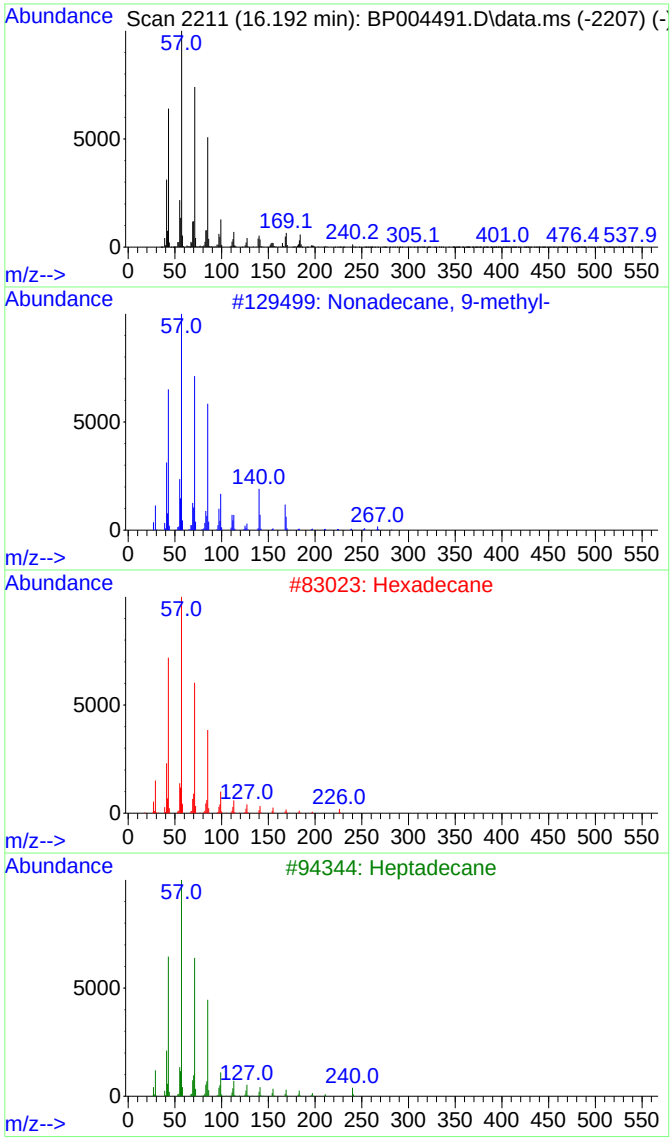
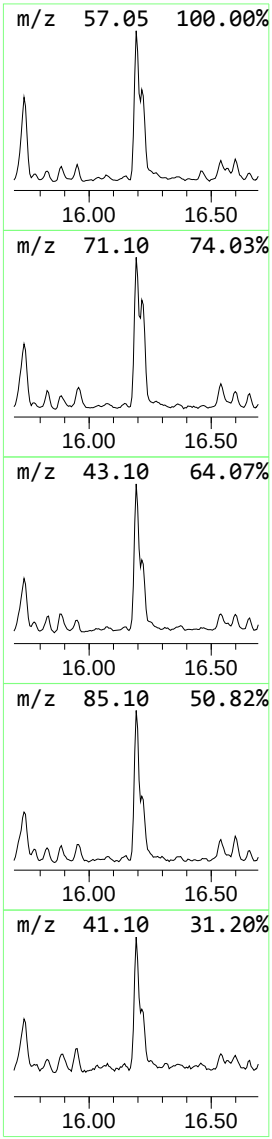
Peak Number 5 Nonadecane, 9-methyl- Concentration Rank 6

R.T.	EstConc	Area	Relative to ISTD	R.T.
16.192	5.51 ng	1158150	Phenanthrene-d10	17.228

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Nonadecane, 9-methyl-	282	C20H42	013287-24-6	86
2	Hexadecane	226	C16H34	000544-76-3	86
3	Heptadecane	240	C17H36	000629-78-7	83
4	Decane, 3,8-dimethyl-	170	C12H26	017312-55-9	83
5	Tetradecane	198	C14H30	000629-59-4	83





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Acq On : 07 Jan 2021 21:27
Operator : CG/JU
Sample : M1023-01 2X
Misc :
ALS Vial : 14 Sample Multiplier: 1

Instrument : BNA_P
ClientSampleId : SU-04-010621

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_P\METHODS\8270E-BP121120.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

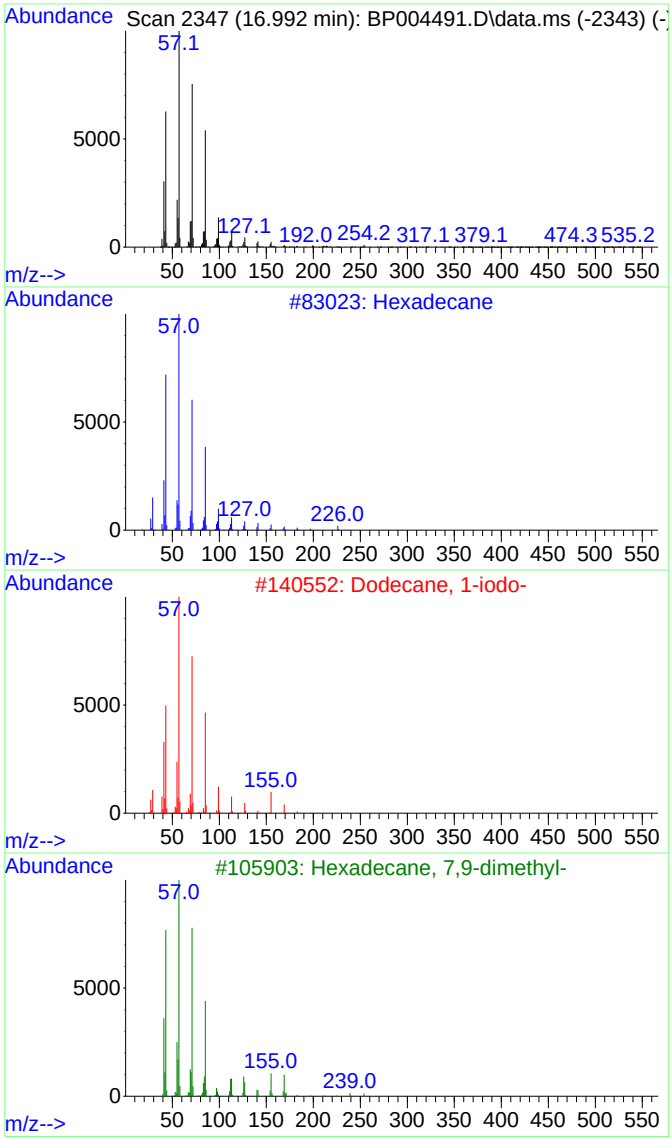
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

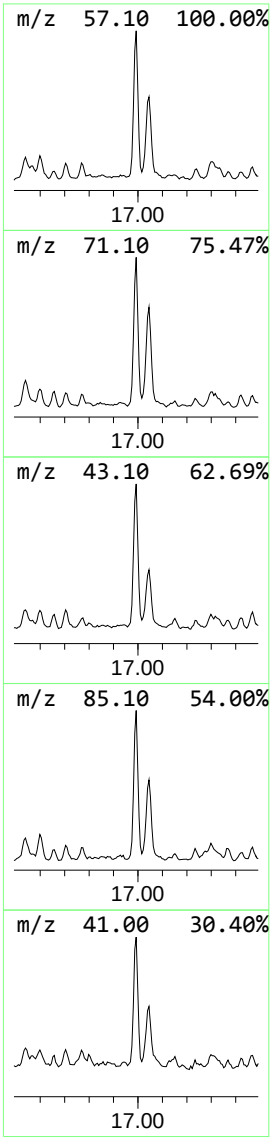
****

Peak Number 6 Dodecane, 1-iodo- Concentration Rank 16

R.T.	EstConc	Area	Relative to ISTD	R.T.
16.992	3.66 ng	769661	Phenanthrene-d10	17.228

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Hexadecane	226	C16H34	000544-76-3	90
2	Dodecane, 1-iodo-	296	C12H25I	004292-19-7	86
3	Hexadecane, 7,9-dimethyl-	254	C18H38	021164-95-4	81
4	Sulfurous acid, 2-ethylhexyl iso...	278	C14H30O3S	1000309-19-0	80
5	Pentadecane	212	C15H32	000629-62-9	80





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Operator : CG/JU
Sample : M1023-01 2X
Misc :
ALS Vial : 14 Sample Multiplier: 1

Instrument : BNA_P
ClientSampleId : SU-04-010621

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_P\METHODS\8270E-BP121120.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

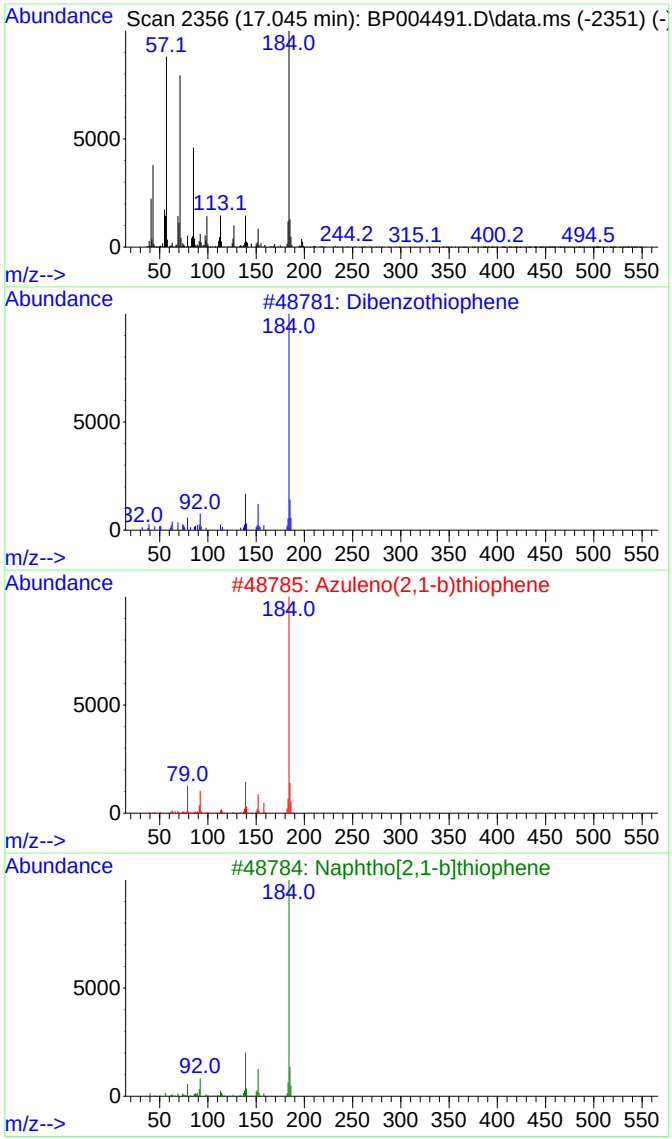
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

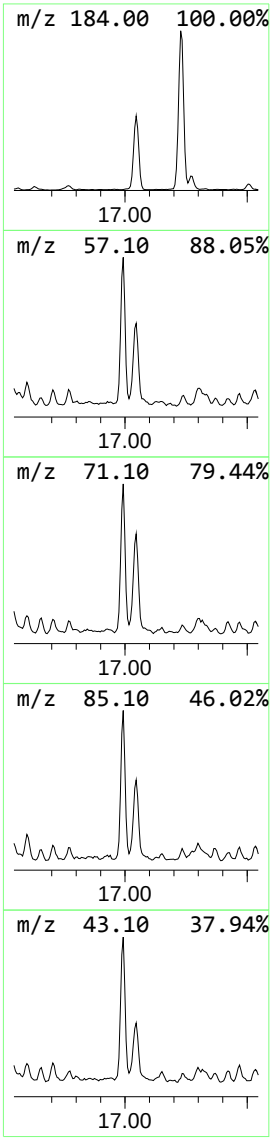
****

Peak Number 7 Dibenzothiophene Concentration Rank 7

R.T.	EstConc	Area	Relative to ISTD	R.T.
17.045	5.07 ng	1063900	Phenanthrene-d10	17.228

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Dibenzothiophene	184	C12H8S	000132-65-0	80
2	Azuleno(2,1-b)thiophene	184	C12H8S	000248-13-5	46
3	Naphtho[2,1-b]thiophene	184	C12H8S	000233-02-3	46
4	Naphtho[2,3-b]thiophene	184	C12H8S	000268-77-9	42
5	Naphtho[1,2-b]thiophene	184	C12H8S	000234-41-3	42





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Data File : BP004491.D
Acq On : 07 Jan 2021 21:27
Operator : CG/JU
Sample : M1023-01 2X
Misc :
ALS Vial : 14 Sample Multiplier: 1

Instrument : BNA_P
ClientSampleId : SU-04-010621

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_P\METHODS\8270E-BP121120.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

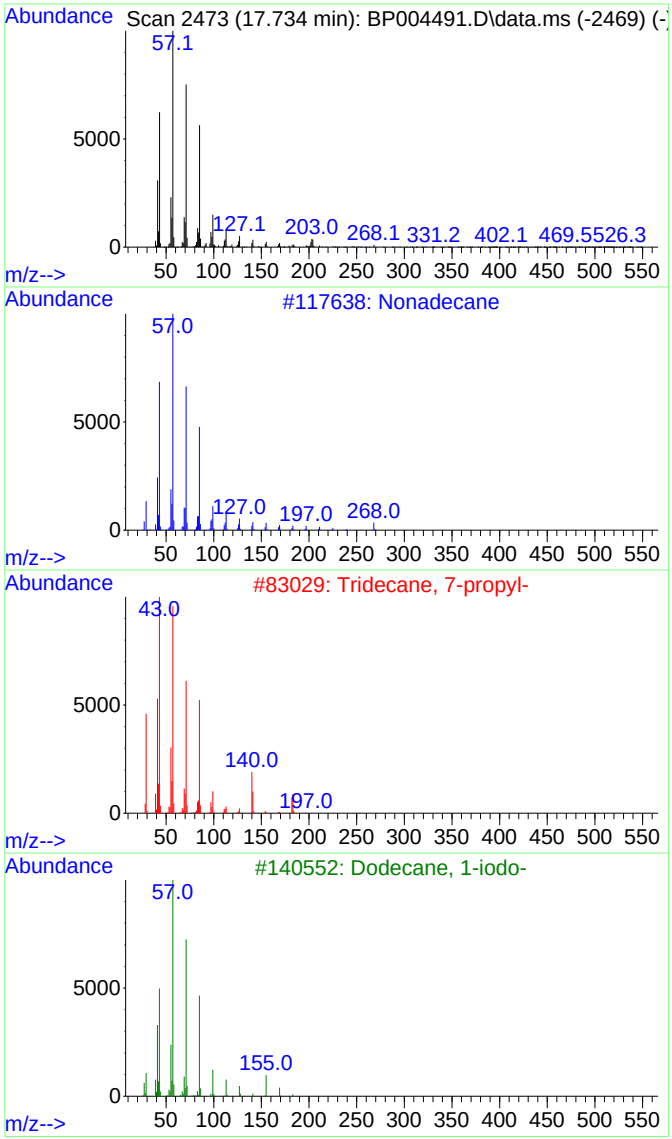
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

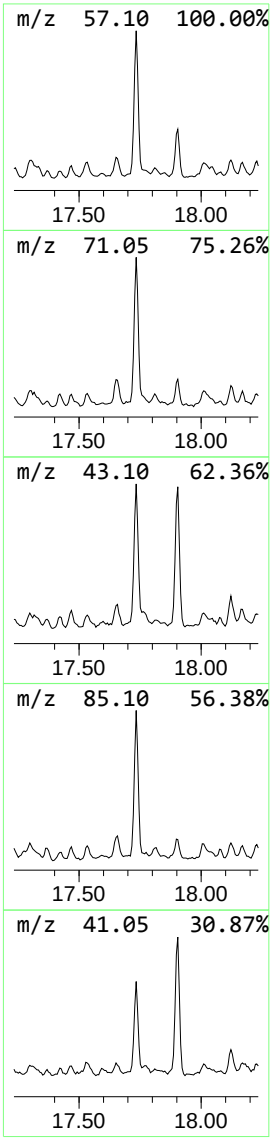
****

Peak Number 8 Nonadecane Concentration Rank 11

R.T.	EstConc	Area	Relative to ISTD	R.T.
17.734	4.30 ng	902025	Phenanthrene-d10	17.228

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Nonadecane	268	C19H40	000629-92-5	87
2	Tridecane, 7-propyl-	226	C16H34	055045-09-5	87
3	Dodecane, 1-iodo-	296	C12H25I	004292-19-7	86
4	Decane, 1-iodo-	268	C10H21I	002050-77-3	86
5	Heptacosane, 1-chloro-	414	C27H55Cl	062016-79-9	80





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Data File : BP004491.D
Acq On : 07 Jan 2021 21:27
Operator : CG/JU
Sample : M1023-01 2X
Misc :
ALS Vial : 14 Sample Multiplier: 1

Instrument :
BNA_P
ClientSampleId :
SU-04-010621

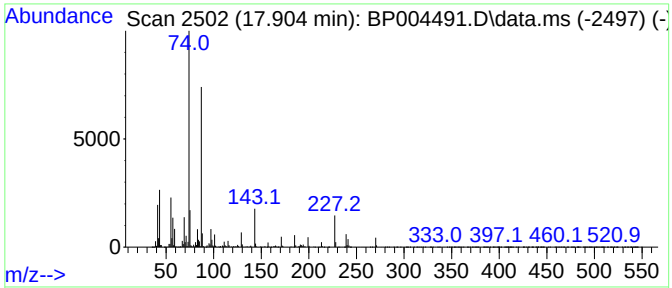
Quant Method : Z:\SVOASRV\HPCHEM1\BNA_P\METHODS\8270E-BP121120.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

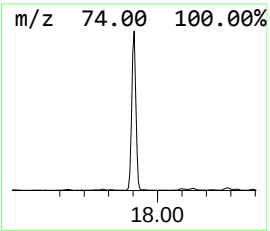
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

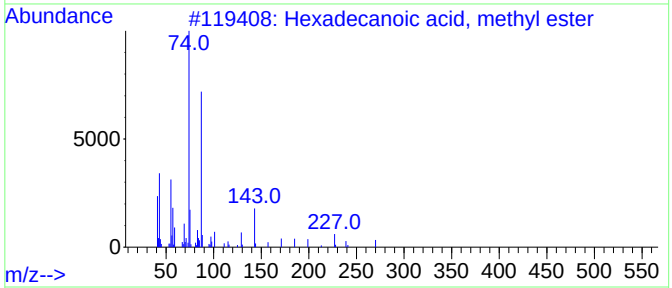
****
Peak Number 9 Hexadecanoic acid, methyl e... Concentration Rank 4

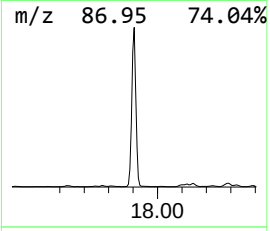
R.T.	EstConc	Area	Relative to ISTD	R.T.
17.904	7.98 ng	1675510	Phenanthrene-d10	17.228

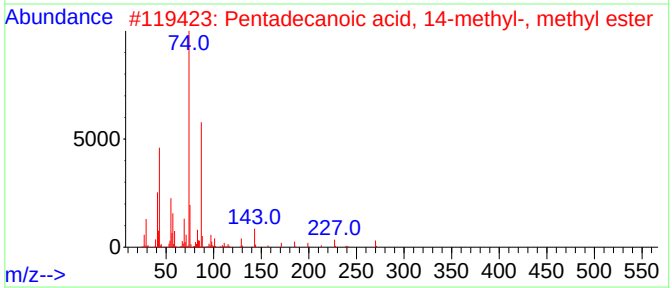
Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Hexadecanoic acid, methyl ester	270	C17H34O2	000112-39-0	97
2	Pentadecanoic acid, 14-methyl-, ...	270	C17H34O2	005129-60-2	95
3	Pentadecanoic acid, methyl ester	256	C16H32O2	007132-64-1	87
4	Tridecanoic acid, methyl ester	228	C14H28O2	001731-88-0	72
5	Decanoic acid, methyl ester	186	C11H22O2	000110-42-9	72

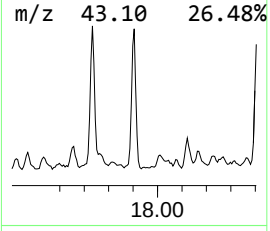


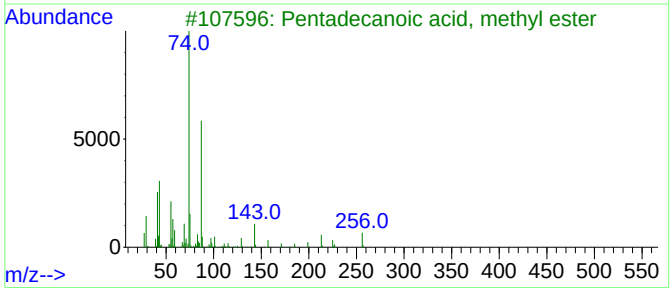


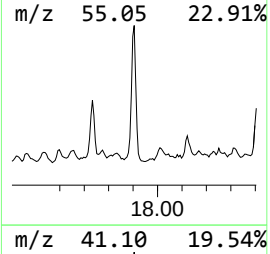


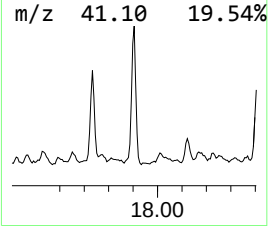












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Data File : BP004491.D
Acq On : 07 Jan 2021 21:27
Operator : CG/JU
Sample : M1023-01 2X
Misc :
ALS Vial : 14 Sample Multiplier: 1

Instrument :
BNA_P
ClientSampleId :
SU-04-010621

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_P\METHODS\8270E-BP121120.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

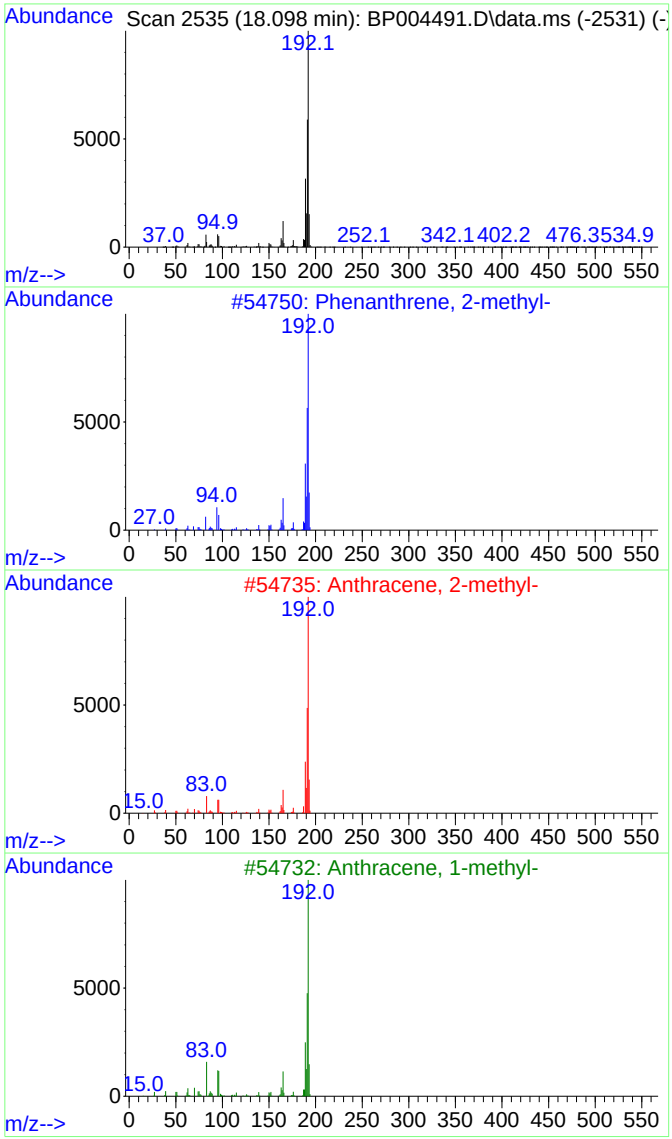
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

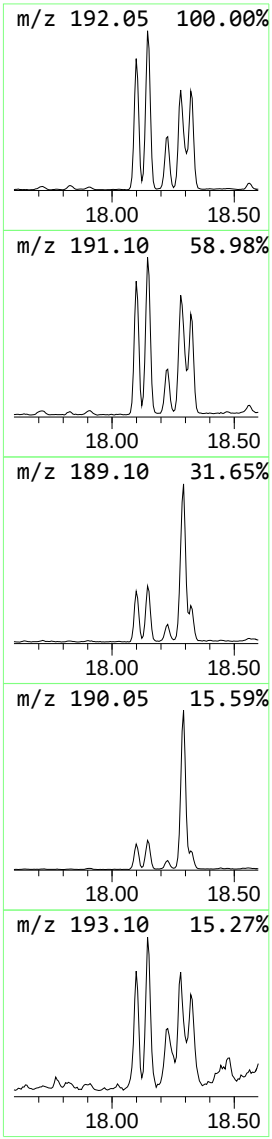
****

Peak Number 10 Phenanthrene, 2-methyl- Concentration Rank 8

R.T.	EstConc	Area	Relative to ISTD	R.T.
18.098	4.68 ng	982016	Phenanthrene-d10	17.228

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Phenanthrene, 2-methyl-	192	C15H12	002531-84-2	96
2	Anthracene, 2-methyl-	192	C15H12	000613-12-7	96
3	Anthracene, 1-methyl-	192	C15H12	000610-48-0	93
4	Phenanthrene, 1-methyl-	192	C15H12	000832-69-9	93
5	Anthracene, 9-methyl-	192	C15H12	000779-02-2	91





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Operator : CG/JU
Sample : M1023-01 2X
Misc :
ALS Vial : 14 Sample Multiplier: 1

Instrument : BNA_P
ClientSampleId : SU-04-010621

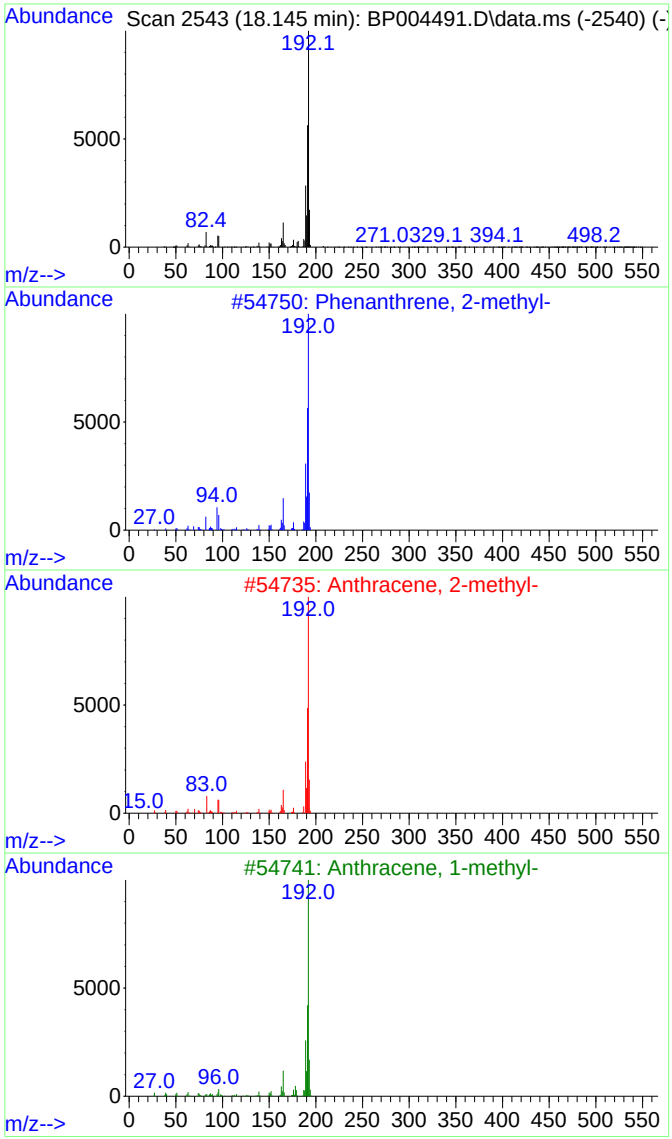
Quant Method : Z:\SVOASRV\HPCHEM1\BNA_P\METHODS\8270E-BP121120.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

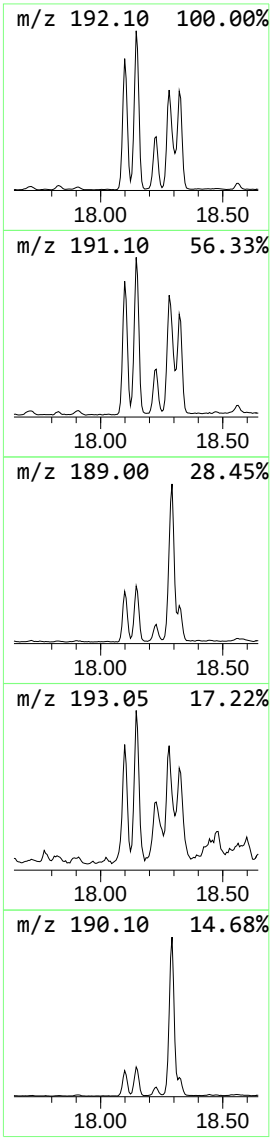
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 11 Anthracene, 2-methyl- Concentration Rank 10

R.T.	EstConc	Area	Relative to ISTD	R.T.
18.145	4.54 ng	953868	Phenanthrene-d10	17.228

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Phenanthrene, 2-methyl-	192	C15H12	002531-84-2	97
2	Anthracene, 2-methyl-	192	C15H12	000613-12-7	96
3	Anthracene, 1-methyl-	192	C15H12	000610-48-0	95
4	Phenanthrene, 1-methyl-	192	C15H12	000832-69-9	95
5	Anthracene, 9-methyl-	192	C15H12	000779-02-2	93





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Data File : BP004491.D
Acq On : 07 Jan 2021 21:27
Operator : CG/JU
Sample : M1023-01 2X
Misc :
ALS Vial : 14 Sample Multiplier: 1

Instrument :
BNA_P
ClientSampleId :
SU-04-010621

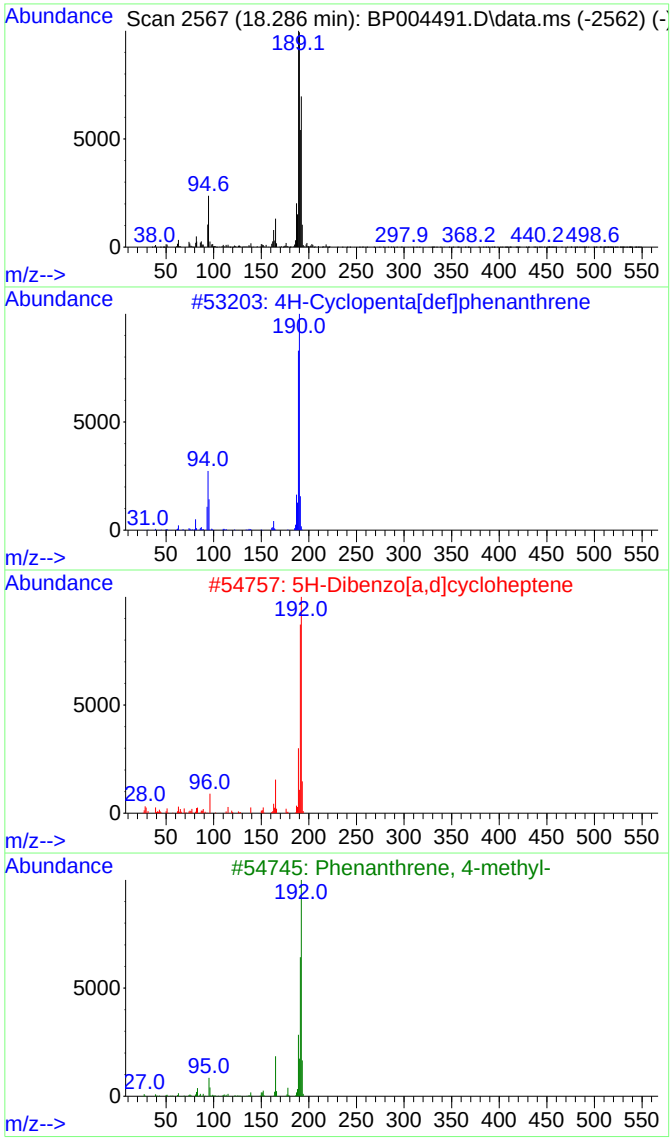
Quant Method : Z:\SVOASRV\HPCHEM1\BNA_P\METHODS\8270E-BP121120.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

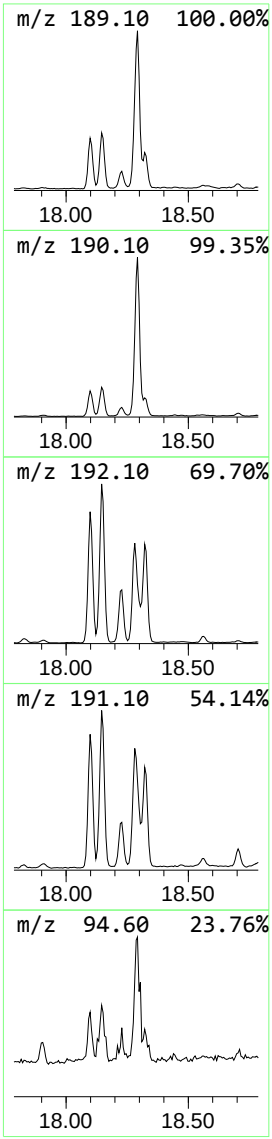
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 12 4H-Cyclopenta[def]phenanthrene Concentration Rank 5

R.T.	EstConc	Area	Relative to ISTD	R.T.
18.287	7.48 ng	1569860	Phenanthrene-d10	17.228

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	4H-Cyclopenta[def]phenanthrene	190	C15H10	000203-64-5	92
2	5H-Dibenzo[a,d]cycloheptene	192	C15H12	000256-81-5	38
3	Phenanthrene, 4-methyl-	192	C15H12	000832-64-4	35
4	3,5-Dichlorobenzoic acid	190	C7H4Cl2O2	000051-36-5	30
5	3-Bromo-2-furoic acid	190	C5H3BrO3	014903-90-3	27





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Acq On : 07 Jan 2021 21:27
Operator : CG/JU
Sample : M1023-01 2X
Misc :
ALS Vial : 14 Sample Multiplier: 1

Instrument : BNA_P
ClientSampleId : SU-04-010621

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_P\METHODS\8270E-BP121120.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

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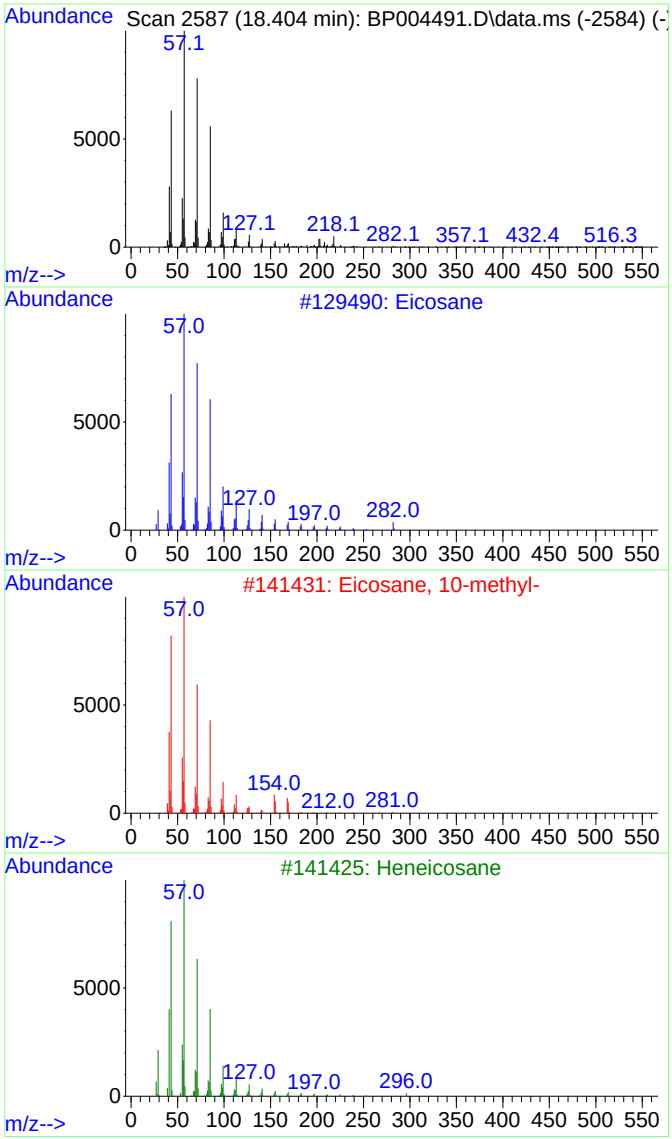
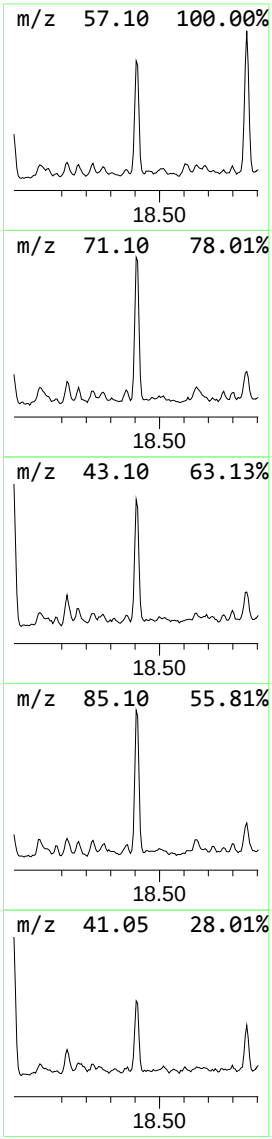
Peak Number 13 Eicosane Concentration Rank 20

R.T.	EstConc	Area	Relative to ISTD	R.T.
18.404	3.09 ng	648668	Phenanthrene-d10	17.228

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Eicosane	282	C20H42	000112-95-8	95
2	Eicosane, 10-methyl-	296	C21H44	054833-23-7	91
3	Heneicosane	296	C21H44	000629-94-7	87
4	Nonadecane	268	C19H40	000629-92-5	87
5	Octadecane	254	C18H38	000593-45-3	86





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Sample : M1023-01 2X
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ALS Vial : 14 Sample Multiplier: 1

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BNA_P
ClientSampleId :
SU-04-010621

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_P\METHODS\8270E-BP121120.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

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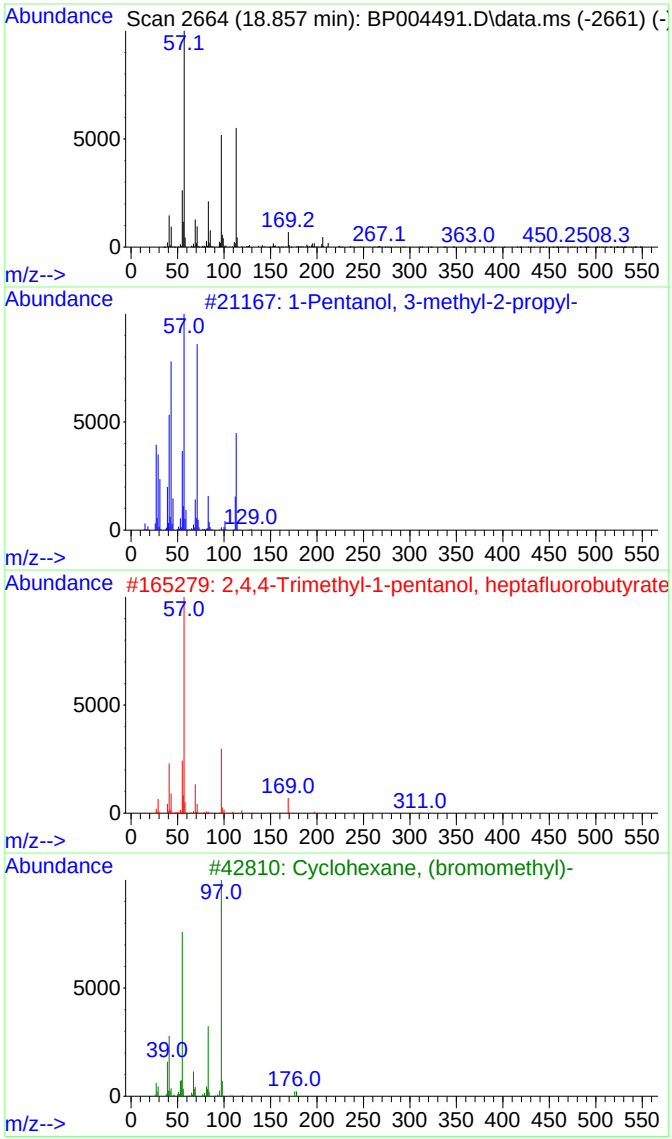
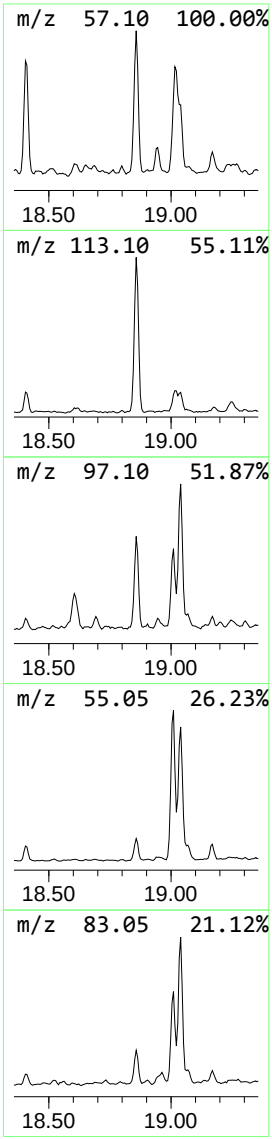
Peak Number 14 unknown18.857 Concentration Rank 19

R.T.	EstConc	Area	Relative to ISTD	R.T.
18.857	3.27 ng	687619	Phenanthrene-d10	17.228

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	1-Pentanol, 3-methyl-2-propyl-	144	C9H20O	054004-40-9	37
2	2,4,4-Trimethyl-1-pentanol, hept...	326	C12H17F7O2	1000365-01-4	35
3	Cyclohexane, (bromomethyl)-	176	C7H13Br	002550-36-9	35
4	Sulfurous acid, cyclohexylmethyl...	402	C23H46O3S	1000309-22-4	27
5	Pyrazole, 3-nitro-	113	C3H3N3O2	026621-44-3	25





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Misc :
ALS Vial : 14 Sample Multiplier: 1

Instrument :
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ClientSampleId :
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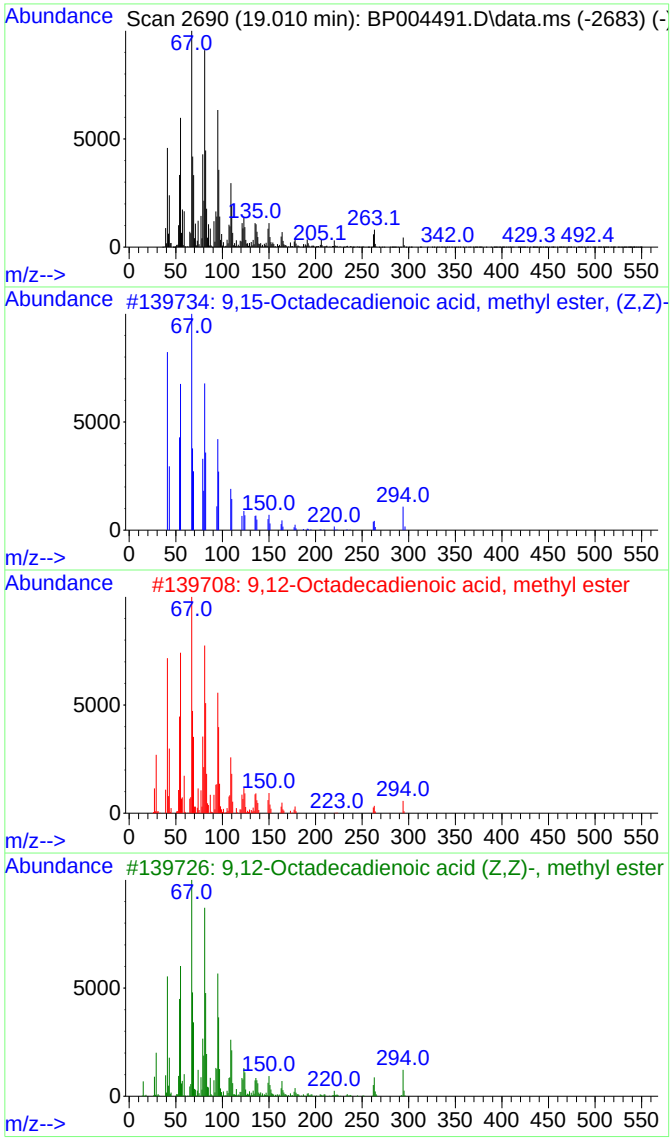
Quant Method : Z:\SVOASRV\HPCHEM1\BNA_P\METHODS\8270E-BP121120.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

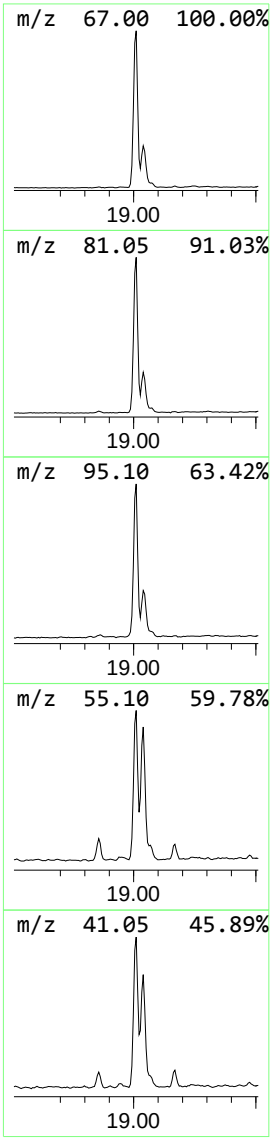
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 15 9,15-Octadecadienoic acid, ... Concentration Rank 1

R.T.	EstConc	Area	Relative to ISTD	R.T.
19.010	29.83 ng	6264700	Phenanthrene-d10	17.228

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	9,15-Octadecadienoic acid, methy...	294	C19H34O2	017309-05-6	99
2	9,12-Octadecadienoic acid, methy...	294	C19H34O2	002462-85-3	99
3	9,12-Octadecadienoic acid (Z,Z)-...	294	C19H34O2	000112-63-0	99
4	Methyl 9-cis,11-trans-octadecadi...	294	C19H34O2	1000336-44-0	99
5	9,12-Octadecadienoic acid, methy...	294	C19H34O2	002566-97-4	99





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Data File : BP004491.D
Acq On : 07 Jan 2021 21:27
Operator : CG/JU
Sample : M1023-01 2X
Misc :
ALS Vial : 14 Sample Multiplier: 1

Instrument : BNA_P
ClientSampleId : SU-04-010621

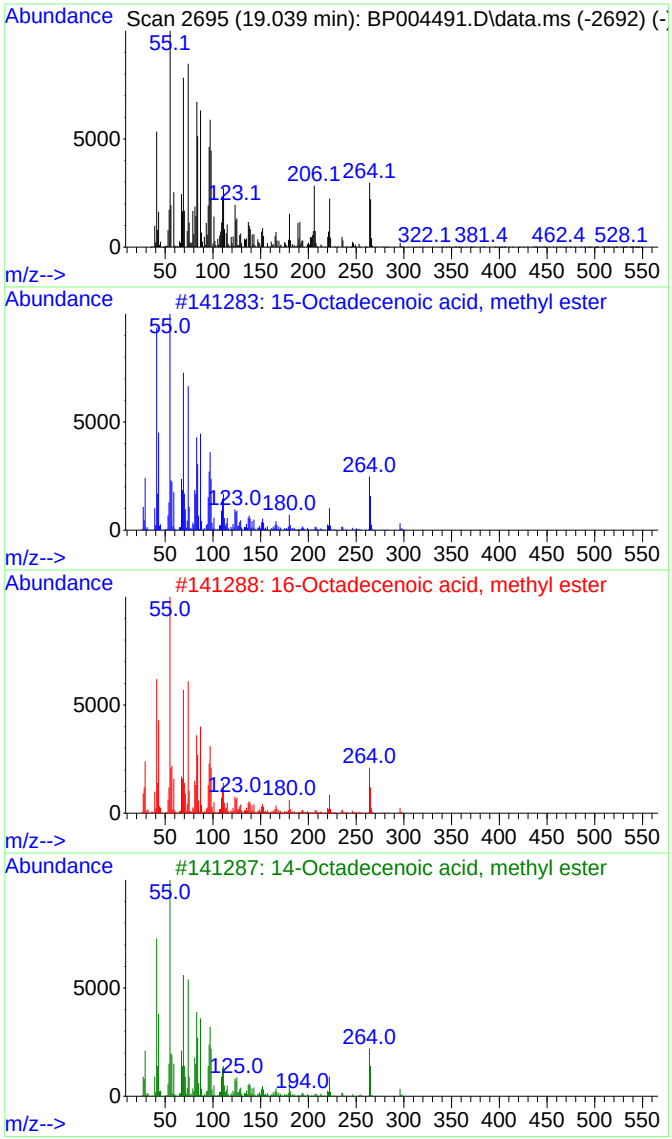
Quant Method : Z:\SVOASRV\HPCHEM1\BNA_P\METHODS\8270E-BP121120.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

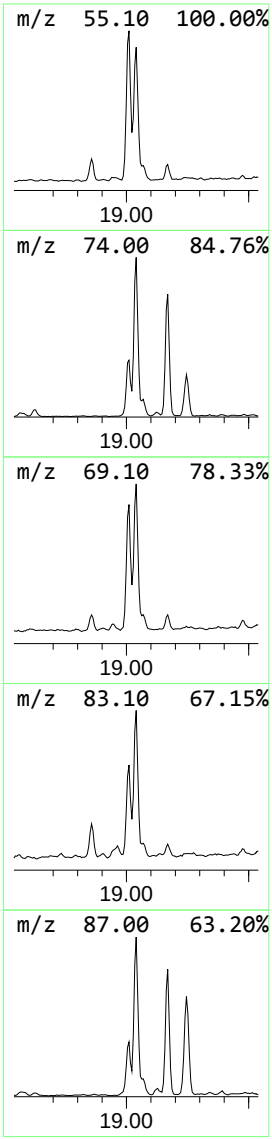
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 16 15-Octadecenoic acid, methy... Concentration Rank 2

R.T.	EstConc	Area	Relative to ISTD	R.T.
19.039	18.00 ng	3780110	Phenanthrene-d10	17.228

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	15-Octadecenoic acid, methyl ester	296	C19H36O2	004764-72-1	99
2	16-Octadecenoic acid, methyl ester	296	C19H36O2	056554-49-5	99
3	14-Octadecenoic acid, methyl ester	296	C19H36O2	056554-48-4	98
4	9-Octadecenoic acid (Z)-, methyl...	296	C19H36O2	000112-62-9	98
5	13-Octadecenoic acid, methyl ester	296	C19H36O2	056554-47-3	93





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Data File : BP004491.D
Acq On : 07 Jan 2021 21:27
Operator : CG/JU
Sample : M1023-01 2X
Misc :
ALS Vial : 14 Sample Multiplier: 1

Instrument : BNA_P
ClientSampleId : SU-04-010621

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_P\METHODS\8270E-BP121120.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

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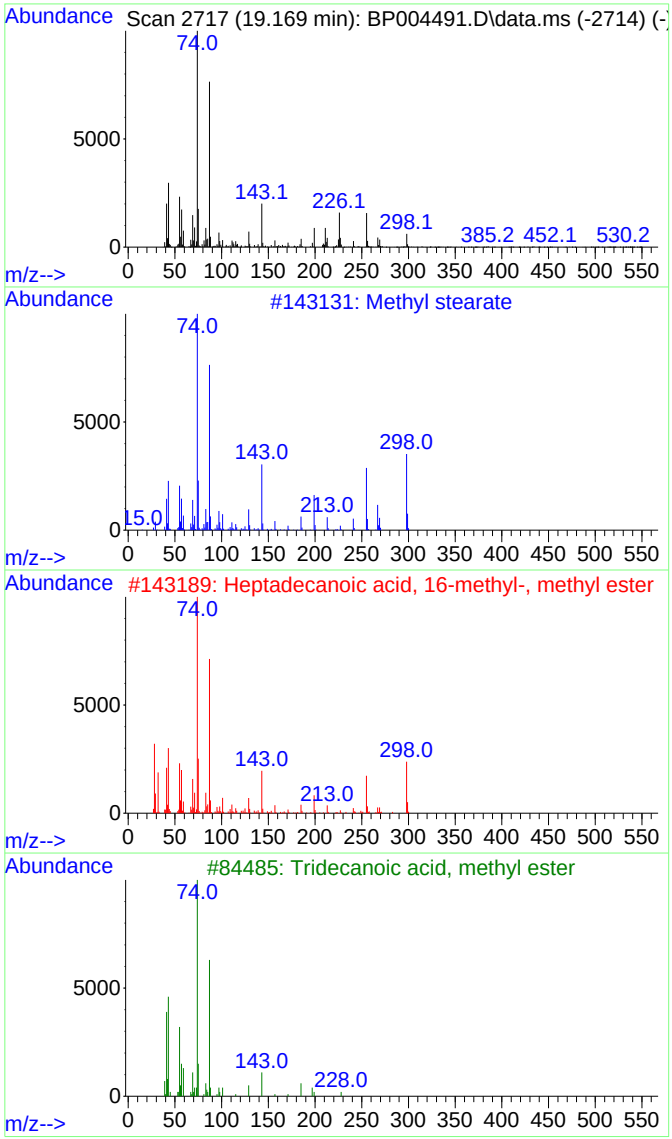
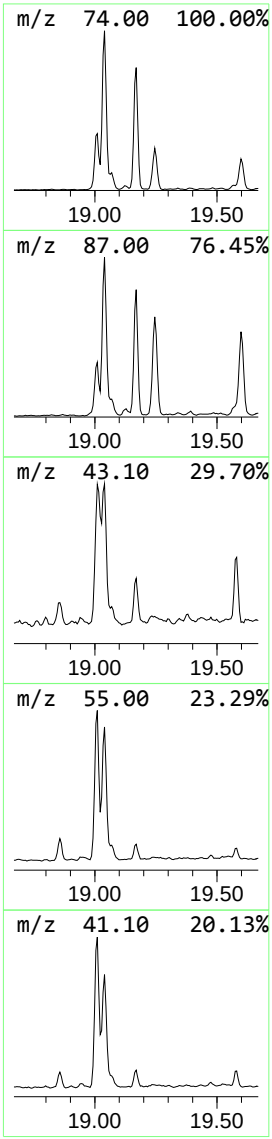
Peak Number 17 Methyl stearate Concentration Rank 17

R.T.	EstConc	Area	Relative to ISTD	R.T.
19.169	3.57 ng	750208	Phenanthrene-d10	17.228

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Methyl stearate	298	C19H38O2	000112-61-8	93
2	Heptadecanoic acid, 16-methyl-, ...	298	C19H38O2	005129-61-3	93
3	Tridecanoic acid, methyl ester	228	C14H28O2	001731-88-0	81
4	Pentadecanoic acid, methyl ester	256	C16H32O2	007132-64-1	81
5	Nonadecanoic acid, methyl ester	312	C20H40O2	001731-94-8	74





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Data File : BP004491.D
Acq On : 07 Jan 2021 21:27
Operator : CG/JU
Sample : M1023-01 2X
Misc :
ALS Vial : 14 Sample Multiplier: 1

Instrument :
BNA_P
ClientSampleId :
SU-04-010621

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_P\METHODS\8270E-BP121120.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

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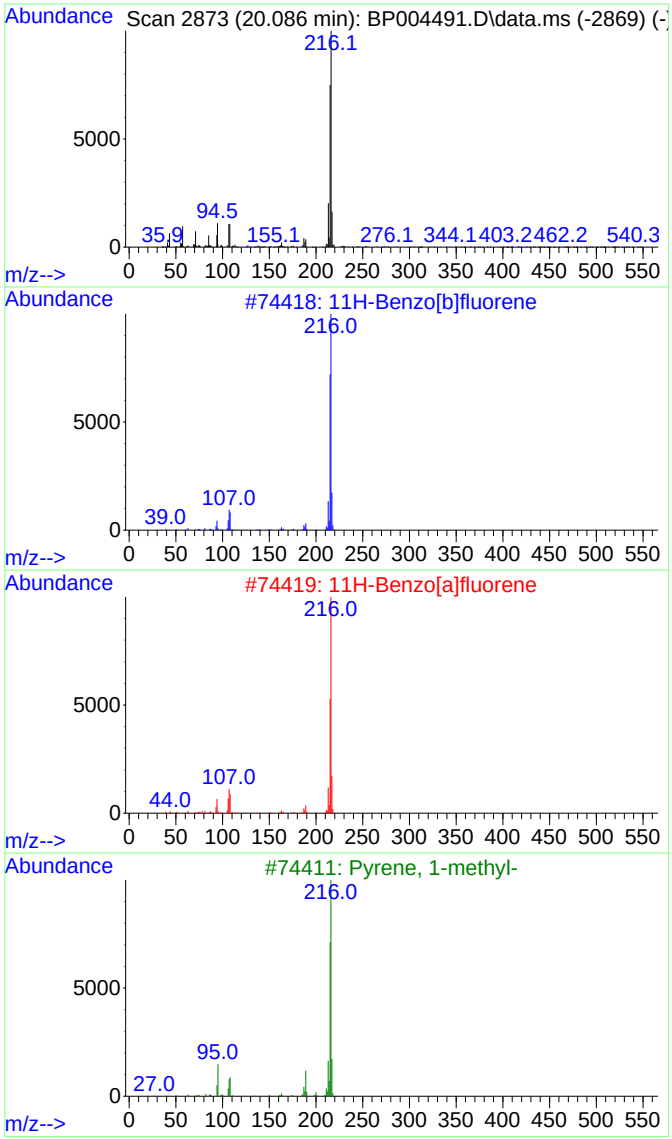
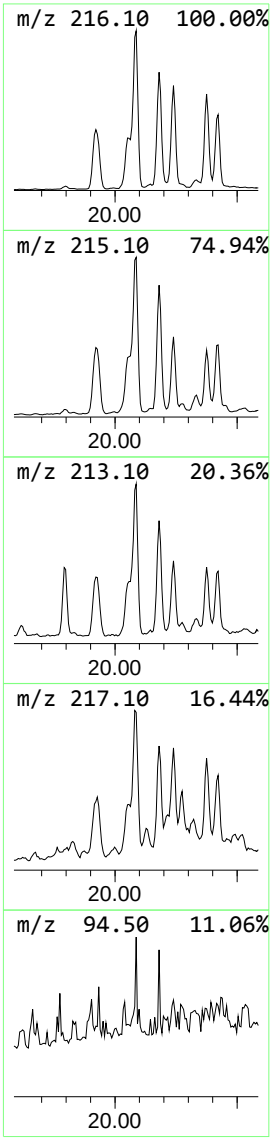
Peak Number 18 11H-Benzo[b]fluorene Concentration Rank 15

R.T.	EstConc	Area	Relative to ISTD	R.T.
20.086	3.72 ng	1348940	Chrysene-d12	21.328

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	11H-Benzo[b]fluorene	216	C17H12	000243-17-4	93
2	11H-Benzo[a]fluorene	216	C17H12	000238-84-6	93
3	Pyrene, 1-methyl-	216	C17H12	002381-21-7	86
4	Fluoranthene, 2-methyl-	216	C17H12	033543-31-6	83
5	7H-Benzo[c]fluorene	216	C17H12	000205-12-9	64





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Data File : BP004491.D
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Sample : M1023-01 2X
Misc :
ALS Vial : 14 Sample Multiplier: 1

Instrument : BNA_P
ClientSampleId : SU-04-010621

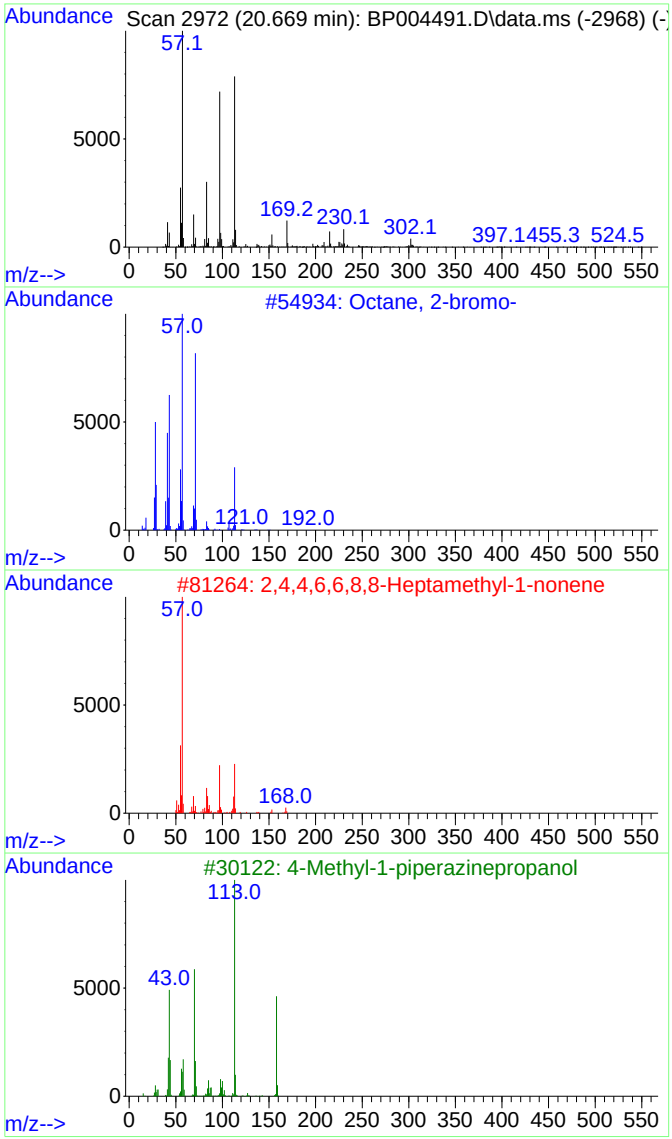
Quant Method : Z:\SVOASRV\HPCHEM1\BNA_P\METHODS\8270E-BP121120.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

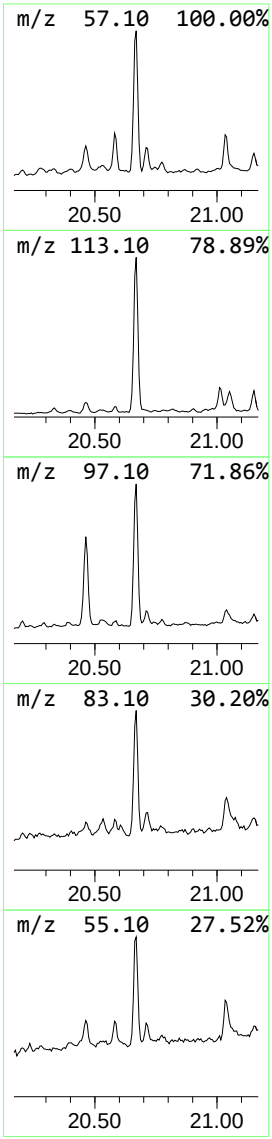
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 19 unknown20.669 Concentration Rank 14

R.T.	EstConc	Area	Relative to ISTD	R.T.
20.669	3.99 ng	1447000	Chrysene-d12	21.328

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Octane, 2-bromo-	192	C8H17Br	000557-35-7	43
2	2,4,4,6,6,8,8-Heptamethyl-1-nonene	224	C16H32	015796-04-0	35
3	4-Methyl-1-piperazinepropanol	158	C8H18N2O	005317-33-9	35
4	Acetamide, 2-(4-methyl-1-piperaz...	267	C13H18ClN3O	296245-55-1	35
5	Hydrazine, 1,2-bis(4-methylfuraz...	196	C6H8N6O2	340996-13-6	27





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Data File : BP004491.D
Acq On : 07 Jan 2021 21:27
Operator : CG/JU
Sample : M1023-01 2X
Misc :
ALS Vial : 14 Sample Multiplier: 1

Instrument :
BNA_P
ClientSampleId :
SU-04-010621

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_P\METHODS\8270E-BP121120.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

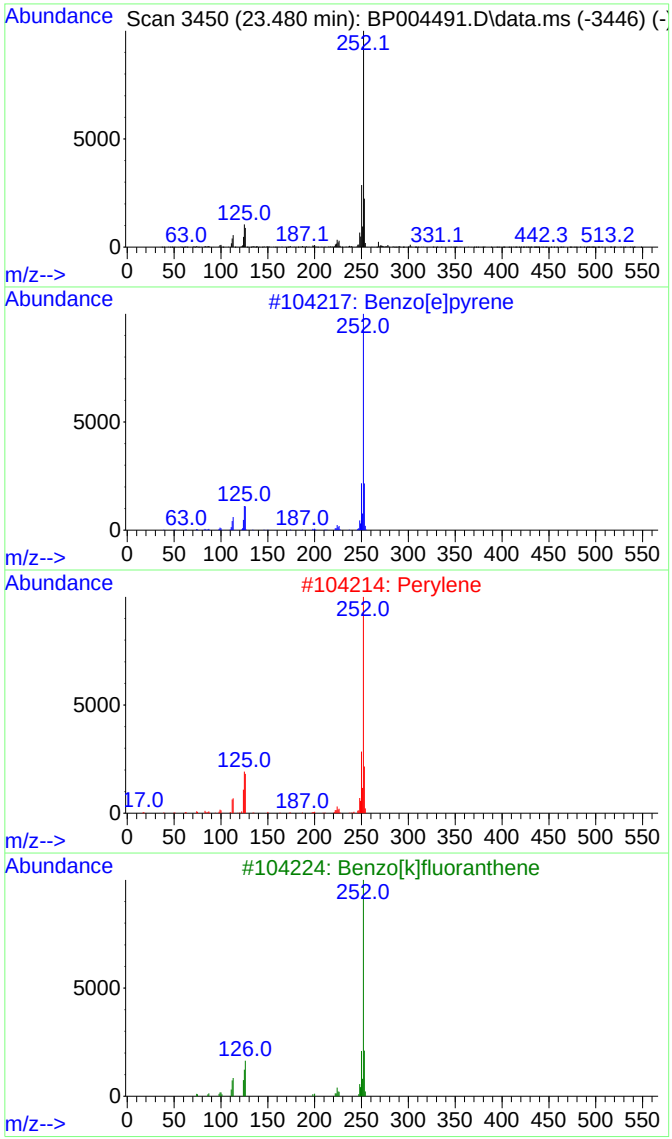
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

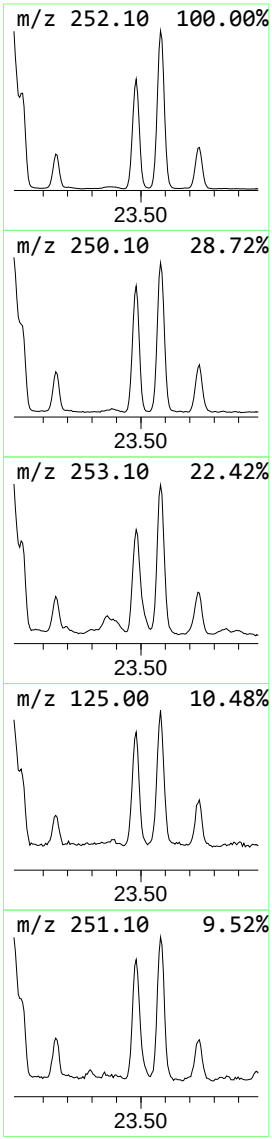
****

Peak Number 20 Benzo[e]pyrene Concentration Rank 3

R.T.	EstConc	Area	Relative to ISTD	R.T.
23.480	12.22 ng	1728720	Perylene-d12	23.686

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzo[e]pyrene	252	C20H12	000192-97-2	98
2	Perylene	252	C20H12	000198-55-0	96
3	Benzo[k]fluoranthene	252	C20H12	000207-08-9	95
4	Benz[e]acephenanthrylene	252	C20H12	000205-99-2	95
5	Benzo[j]fluoranthene	252	C20H12	000205-82-3	94





Tentatively Identified Compound (LSC) summary

Data Path : Z:\svoasrv\HPCHEM1\BNA_P\Data\BP010721\
Data File : BP004491.D
Acq On : 07 Jan 2021 21:27
Operator : CG/JU
Sample : M1023-01 2X
Misc :
ALS Vial : 14 Sample Multiplier: 1

Instrument : BNA_P
ClientSampleId : SU-04-010621

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_P\METHODS\8270E-BP121120.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

					--Internal Standard---			
TIC Top Hit name	RT	EstConc	Units	Response	#	RT	Resp	Conc
Tridecane	12.046	3.4	ng	580349	2	10.610	3416860	20.0
Hexadecane	13.293	4.2	ng	878907	3	14.469	4169250	20.0
Heptadecane	14.369	4.6	ng	960400	3	14.469	4169250	20.0
Bacchotricuneat...	15.328	4.1	ng	854350	3	14.469	4169250	20.0
Nonadecane, 9-m...	16.192	5.5	ng	1158150	4	17.228	4200250	20.0
Dodecane, 1-iodo-	16.992	3.7	ng	769661	4	17.228	4200250	20.0
Dibenzothiophene	17.045	5.1	ng	1063900	4	17.228	4200250	20.0
Nonadecane	17.734	4.3	ng	902025	4	17.228	4200250	20.0
Hexadecanoic ac...	17.904	8.0	ng	1675510	4	17.228	4200250	20.0
Phenanthrene, 2...	18.098	4.7	ng	982016	4	17.228	4200250	20.0
Anthracene, 2-m...	18.145	4.5	ng	953868	4	17.228	4200250	20.0
4H-Cyclopenta[d...	18.287	7.5	ng	1569860	4	17.228	4200250	20.0
Eicosane	18.404	3.1	ng	648668	4	17.228	4200250	20.0
unknown18.857	18.857	3.3	ng	687619	4	17.228	4200250	20.0
9,15-Octadecadi...	19.010	29.8	ng	6264700	4	17.228	4200250	20.0
15-Octadecenoic...	19.039	18.0	ng	3780110	4	17.228	4200250	20.0
Methyl stearate	19.169	3.6	ng	750208	4	17.228	4200250	20.0
11H-Benzo[b]flu...	20.086	3.7	ng	1348940	5	21.328	7261050	20.0
unknown20.669	20.669	4.0	ng	1447000	5	21.328	7261050	20.0
Benzo[e]pyrene	23.480	12.2	ng	1728720	6	23.686	2829000	20.0