LSC Area Percent Report

Data Path : Z:\svoasrv\HPCHEM1\BNA_P\Data\BP100421\
Data File : BP007314.D
Acq On : 04 Oct 2021 20:20
Operator : CG/JU
Sample : M4032-01 2X
Misc :
ALS Vial : 16 Sample Multiplier: 1

Instrument : BNA_P
ClientSampleId : NB-08-100121

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-BP092121.M
Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

Signal : TIC: BP007314.D\data.ms

peak #	R.T. min	first scan	max scan	last scan	PK TY	peak height	corr. area	corr. % max.	% of total
1	5.446	395	401	407	rBV	1382429	2023483	17.92%	1.351%
2	7.045	661	673	687	rBV	1127267	2051431	18.17%	1.369%
3	7.863	802	812	819	rBV2	790003	1433163	12.69%	0.957%
4	8.234	867	875	882	rBV	135130	226899	2.01%	0.151%
5	8.398	898	903	909	rBV5	133113	272859	2.42%	0.182%
6	8.504	916	921	933	rVB3	118707	319954	2.83%	0.214%
7	8.969	988	1000	1004	rBV	220971	420949	3.73%	0.281%
8	9.028	1004	1010	1017	rVV	728215	1432140	12.68%	0.956%
9	9.087	1017	1020	1030	rVB	346206	521960	4.62%	0.348%
10	9.492	1084	1089	1094	rBV2	165909	282182	2.50%	0.188%
11	9.551	1094	1099	1108	rVB2	105242	234774	2.08%	0.157%
12	10.063	1180	1186	1195	rBV3	223975	498650	4.42%	0.333%
13	10.663	1277	1288	1292	rBV	961996	1973277	17.48%	1.317%
14	10.710	1292	1296	1303	rVB	488379	855462	7.58%	0.571%
15	10.822	1311	1315	1322	rVB2	111261	176439	1.56%	0.118%
16	11.581	1438	1444	1451	rVB	101195	186965	1.66%	0.125%
17	11.686	1457	1462	1466	rBV	116512	199745	1.77%	0.133%
18	12.080	1520	1529	1536	rBV4	129145	330634	2.93%	0.221%
19	12.322	1561	1570	1577	rVB	1691519	2738066	24.25%	1.828%
20	12.545	1599	1608	1617	rVB	1376360	2274970	20.15%	1.518%
21	13.033	1686	1691	1696	rVB3	118299	185515	1.64%	0.124%
22	13.122	1699	1706	1717	rVB	1902588	2779138	24.61%	1.855%
23	13.333	1734	1742	1747	rVB2	297518	531732	4.71%	0.355%
24	13.527	1771	1775	1779	rBV	131889	204929	1.82%	0.137%
25	13.663	1791	1798	1799	rBV	329488	474349	4.20%	0.317%
26	13.822	1818	1825	1830	rBV	469797	858244	7.60%	0.573%
27	13.875	1830	1834	1844	rVV	335912	573864	5.08%	0.383%
28	13.980	1845	1852	1856	rVV2	111930	187115	1.66%	0.125%
29	14.057	1860	1865	1868	rVV	222394	344684	3.05%	0.230%
30	14.222	1889	1893	1904	rVB	248412	388018	3.44%	0.259%
31	14.392	1918	1922	1928	rVB	119804	168305	1.49%	0.112%
32	14.498	1930	1940	1945	rBV	1468614	2344494	20.76%	1.565%
33	14.563	1945	1951	1959	rVB	1789671	2689173	23.82%	1.795%
34	14.710	1970	1976	1984	rVB2	94009	242022	2.14%	0.162%
35	14.810	1985	1993	1997	rBV2	137143	248989	2.21%	0.166%
36	14.898	2002	2008	2015	rVV	1196543	1769166	15.67%	1.181%

LSC Area Percent Report

Data Path : Z:\svoasrv\HPCHEM1\BNA_P\Data\BP100421\
Data File : BP007314.D
Acq On : 04 Oct 2021 20:20
Operator : CG/JU
Sample : M4032-01 2X
Misc :
ALS Vial : 16 Sample Multiplier: 1

Instrument : BNA_P
ClientSampleId : NB-08-100121

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-BP092121.M
Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

37	14.974	2017	2021	2025	rVV	114272	162202	1.44%	0.108%
38	15.286	2067	2074	2077	rBV2	86824	165697	1.47%	0.111%
39	15.545	2112	2118	2130	rBV2	1815876	2790337	24.71%	1.862%
40	15.669	2136	2139	2142	rVV	174752	258982	2.29%	0.173%
41	15.710	2142	2146	2150	rVV2	280947	428191	3.79%	0.286%
42	15.757	2150	2154	2157	rVV2	150016	238276	2.11%	0.159%
43	15.798	2157	2161	2164	rVV	161630	240251	2.13%	0.160%
44	15.839	2164	2168	2176	rVB	320420	500294	4.43%	0.334%
45	15.992	2186	2194	2202	rBV	1781210	2737580	24.25%	1.827%
46	16.210	2227	2231	2233	rBV	151931	208613	1.85%	0.139%
47	16.551	2278	2289	2294	rBV2	321511	691265	6.12%	0.461%
48	16.604	2294	2298	2303	rVB2	141755	218716	1.94%	0.146%
49	16.704	2312	2315	2320	rVB	136601	191158	1.69%	0.128%
50	16.980	2358	2362	2363	rVV	149750	176795	1.57%	0.118%
51	17.004	2364	2366	2371	rVV	222727	294232	2.61%	0.196%
52	17.068	2372	2377	2386	rVB	550737	878951	7.78%	0.587%
53	17.251	2403	2408	2411	rBV	1696518	2453146	21.73%	1.637%
54	17.298	2411	2416	2422	rVV	7508913	10925952	96.77%	7.293%
55	17.386	2425	2431	2437	rVV	3353614	4756706	42.13%	3.175%
56	17.445	2437	2441	2446	rVV2	120832	217136	1.92%	0.145%
57	17.527	2452	2455	2465	rVB3	69657	160179	1.42%	0.107%
58	17.657	2473	2477	2489	rBV	945506	1396704	12.37%	0.932%
59	17.745	2489	2492	2495	rBV2	147120	207155	1.83%	0.138%
60	17.833	2503	2507	2515	rVB3	175104	327722	2.90%	0.219%
61	17.921	2517	2522	2526	rVB	490352	606044	5.37%	0.405%
62	17.974	2526	2531	2538	rBV	122962	234836	2.08%	0.157%
63	18.121	2551	2556	2560	rBV	847405	1285187	11.38%	0.858%
64	18.168	2560	2564	2570	rVB	1305857	1789760	15.85%	1.195%
65	18.245	2572	2577	2582	rBV	681428	914062	8.10%	0.610%
66	18.310	2582	2588	2592	rBV2	1630671	2703775	23.95%	1.805%
67	18.339	2592	2593	2599	rVB	532352	567490	5.03%	0.379%
68	18.415	2603	2606	2610	rVV2	228944	273846	2.43%	0.183%
69	18.504	2617	2621	2624	rBV4	123719	178109	1.58%	0.119%
70	18.604	2633	2638	2642	rBV	612387	766557	6.79%	0.512%
71	18.839	2675	2678	2682	rVV	157401	176038	1.56%	0.118%
72	18.886	2684	2686	2689	rVV	187199	218882	1.94%	0.146%
73	18.927	2690	2693	2696	rVB2	196053	241978	2.14%	0.162%
74	19.021	2702	2709	2712	rBV4	1255391	2192571	19.42%	1.463%
75	19.051	2712	2714	2720	rVB4	1188420	1542777	13.66%	1.030%
76	19.145	2726	2730	2733	rBV3	214719	372111	3.30%	0.248%

LSC Area Percent Report

Data Path : Z:\svoasrv\HPCHEM1\BNA_P\Data\BP100421\
Data File : BP007314.D
Acq On : 04 Oct 2021 20:20
Operator : CG/JU
Sample : M4032-01 2X
Misc :
ALS Vial : 16 Sample Multiplier: 1

Instrument : BNA_P
ClientSampleId : NB-08-100121

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-BP092121.M
Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

77	19.180	2734	2736	2744	rVB2	351365	456928	4.05%	0.305%
78	19.268	2745	2751	2756	rBV	8072540	11290834	100.00%	7.536%
79	19.357	2763	2766	2770	rBV	235732	292539	2.59%	0.195%
80	19.586	2800	2805	2807	rBV2	1810494	2611573	23.13%	1.743%
81	19.615	2807	2810	2818	rVV	6901979	9745589	86.31%	6.505%
82	19.686	2818	2822	2829	rVB2	435878	666800	5.91%	0.445%
83	19.810	2836	2843	2847	rBV2	3411169	4466660	39.56%	2.981%
84	19.927	2858	2863	2864	rBV2	608476	849603	7.52%	0.567%
85	20.057	2881	2885	2888	rBV2	432235	839687	7.44%	0.560%
86	20.098	2888	2892	2897	rVB	1816685	2486277	22.02%	1.660%
87	20.192	2904	2908	2912	rBV	1499574	1938309	17.17%	1.294%
88	20.251	2912	2918	2922	rVV2	845209	1489682	13.19%	0.994%
89	20.286	2922	2924	2928	rVB	341786	412946	3.66%	0.276%
90	20.392	2939	2942	2945	rBV	362040	409911	3.63%	0.274%
91	20.433	2946	2949	2952	rVV	381032	446264	3.95%	0.298%
92	20.992	3041	3044	3047	rBV	615320	719605	6.37%	0.480%
93	21.027	3047	3050	3055	rBV2	690156	1143681	10.13%	0.763%
94	21.327	3096	3101	3107	rBV3	5160769	9682406	85.75%	6.463%
95	21.380	3107	3110	3119	rVB	4012548	4972503	44.04%	3.319%
96	21.498	3128	3130	3137	rVB	747183	905962	8.02%	0.605%
97	23.015	3382	3388	3393	rBV	2613463	6420535	56.87%	4.286%
98	23.539	3472	3477	3484	rVB	1618283	3017120	26.72%	2.014%
99	23.645	3489	3495	3503	rVB	2727241	5483261	48.56%	3.660%
100	23.750	3509	3513	3518	rVB2	1159706	1936890	17.15%	1.293%

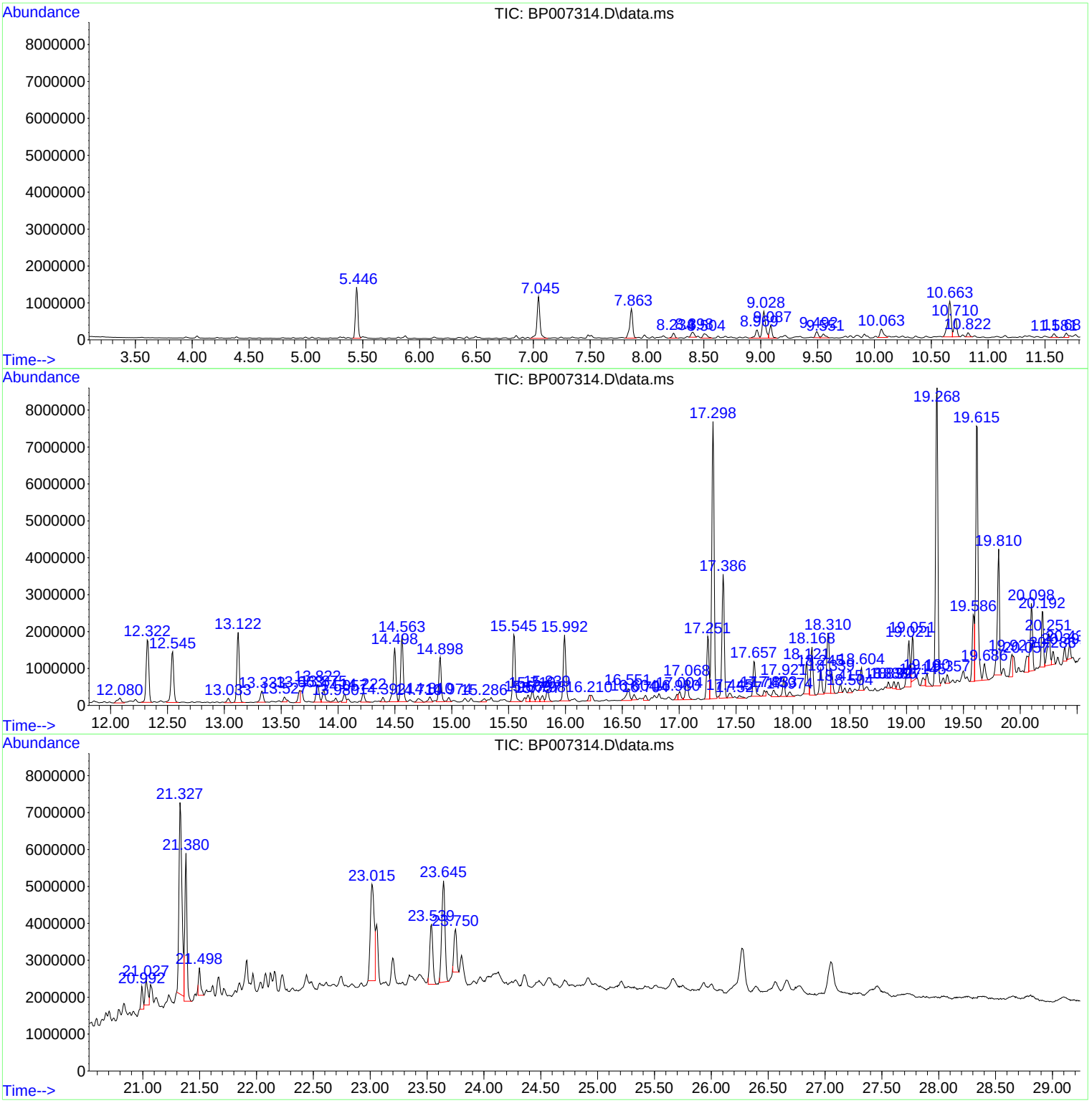
Sum of corrected areas: 149819567

Data Path : Z:\svoasrv\HPCHEM1\BNA_P\Data\BP100421\
Data File : BP007314.D
Acq On : 04 Oct 2021 20:20
Operator : CG/JU
Sample : M4032-01 2X
Misc :
ALS Vial : 16 Sample Multiplier: 1

Instrument :
BNA_P
ClientSampleId :
NB-08-100121

Quant Method : Z:\svoasrv\HPCHEM1\BNA_P\Methods\8270E-BP092121.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P



Data Path : Z:\svoasrv\HPCHEM1\BNA_P\Data\BP100421\
Data File : BP007314.D
Acq On : 04 Oct 2021 20:20
Operator : CG/JU
Sample : M4032-01 2X
Misc :
ALS Vial : 16 Sample Multiplier: 1

Instrument :
BNA_P
ClientSampleId :
NB-08-100121

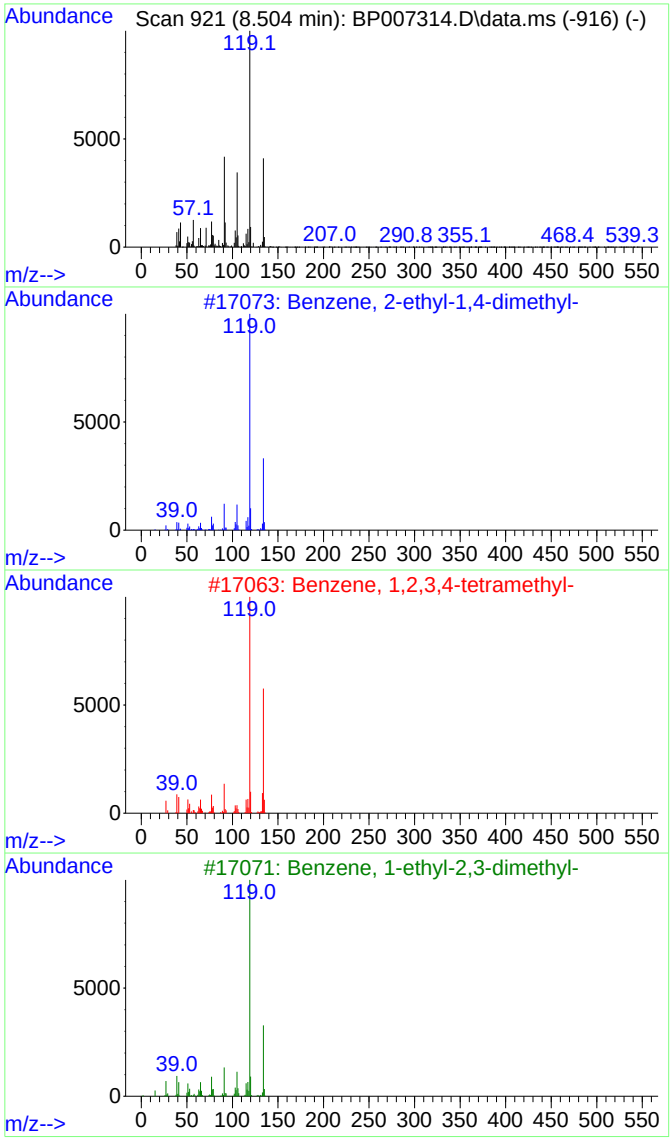
Quant Method : Z:\svoasrv\HPCHEM1\BNA_P\Methods\8270E-BP092121.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

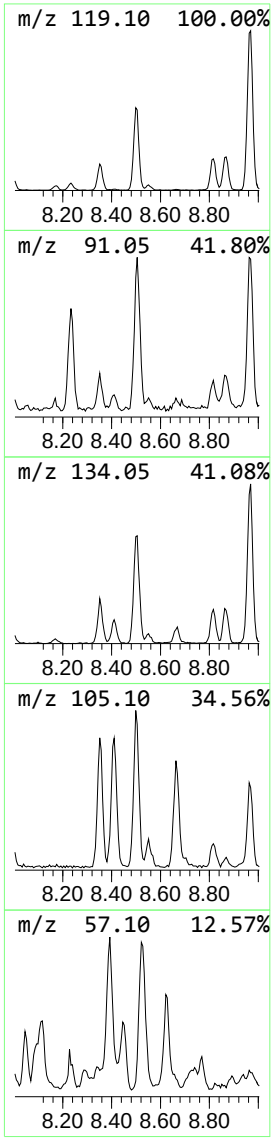
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 1 Benzene, 2-ethyl-1,4-dimethyl- Concentration Rank 19

R.T.	EstConc	Area	Relative to ISTD	R.T.
8.504	4.47 ng	319954	1,4-Dichlorobenzene-d4	7.863

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzene, 2-ethyl-1,4-dimethyl-	134	C10H14	001758-88-9	94
2	Benzene, 1,2,3,4-tetramethyl-	134	C10H14	000488-23-3	93
3	Benzene, 1-ethyl-2,3-dimethyl-	134	C10H14	000933-98-2	90
4	1,3,8-p-Menthatriene	134	C10H14	018368-95-1	90
5	Benzene, 4-ethyl-1,2-dimethyl-	134	C10H14	000934-80-5	90





Data Path : Z:\svoasrv\HPCHEM1\BNA_P\Data\BP100421\
Data File : BP007314.D
Acq On : 04 Oct 2021 20:20
Operator : CG/JU
Sample : M4032-01 2X
Misc :
ALS Vial : 16 Sample Multiplier: 1

Instrument :
BNA_P
ClientSampleId :
NB-08-100121

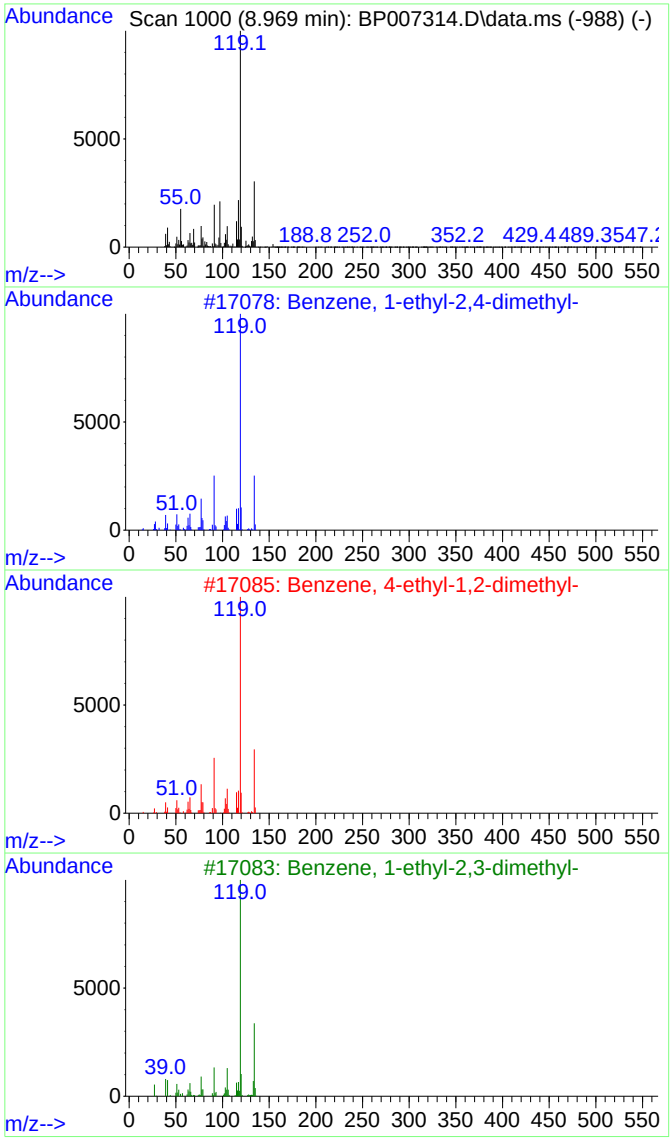
Quant Method : Z:\svoasrv\HPCHEM1\BNA_P\Methods\8270E-BP092121.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

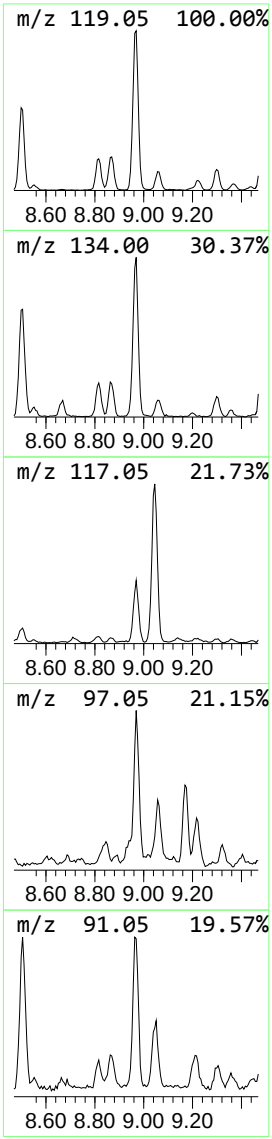
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 2 Benzene, 1-ethyl-2,4-dimethyl- Concentration Rank 12

R.T.	EstConc	Area	Relative to ISTD	R.T.
8.969	5.87 ng	420949	1,4-Dichlorobenzene-d4	7.863

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzene, 1-ethyl-2,4-dimethyl-	134	C10H14	000874-41-9	93
2	Benzene, 4-ethyl-1,2-dimethyl-	134	C10H14	000934-80-5	89
3	Benzene, 1-ethyl-2,3-dimethyl-	134	C10H14	000933-98-2	76
4	Benzene, 2-ethyl-1,3-dimethyl-	134	C10H14	002870-04-4	76
5	Benzene, 1-ethyl-3,5-dimethyl-	134	C10H14	000934-74-7	76





Data Path : Z:\svoasrv\HPCHEM1\BNA_P\Data\BP100421\
Data File : BP007314.D
Acq On : 04 Oct 2021 20:20
Operator : CG/JU
Sample : M4032-01 2X
Misc :
ALS Vial : 16 Sample Multiplier: 1

Instrument : BNA_P
ClientSampleId : NB-08-100121

Quant Method : Z:\svoasrv\HPCHEM1\BNA_P\Methods\8270E-BP092121.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

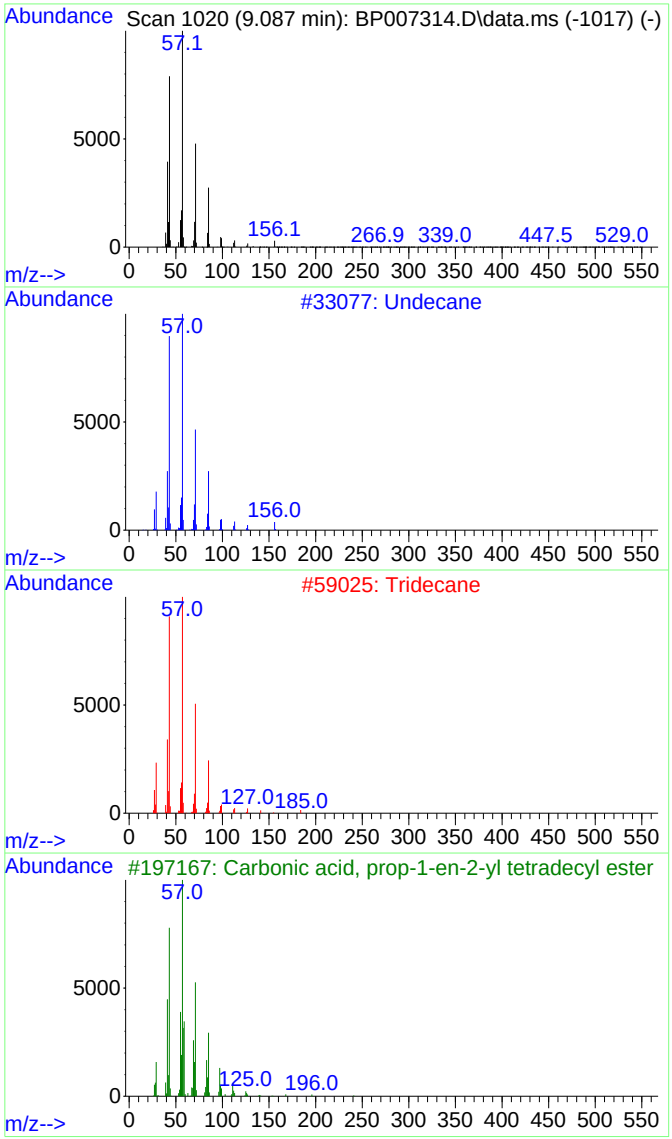
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

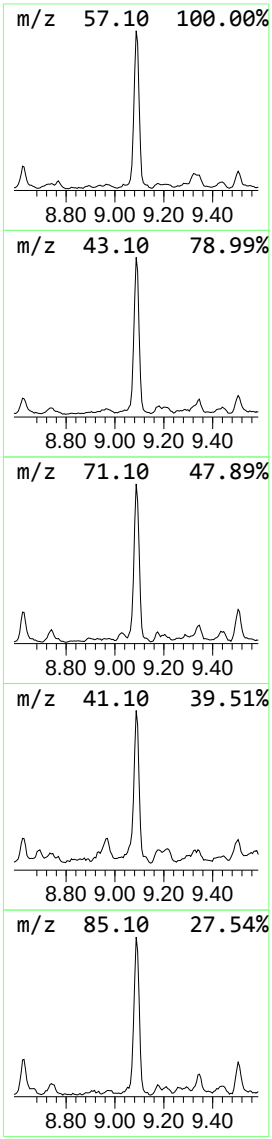
****

Peak Number 3 Undecane Concentration Rank 9

R.T.	EstConc	Area	Relative to ISTD	R.T.
9.087	7.28 ng	521960	1,4-Dichlorobenzene-d4	7.863

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Undecane	156	C11H24	001120-21-4	95
2	Tridecane	184	C13H28	000629-50-5	86
3	Carbonic acid, prop-1-en-2-yl te...	298	C18H34O3	1000382-90-9	83
4	Carbonic acid, prop-1-en-2-yl tr...	284	C17H32O3	1000382-90-8	83
5	Heptadecane	240	C17H36	000629-78-7	72





Data Path : Z:\svoasrv\HPCHEM1\BNA_P\Data\BP100421\
Data File : BP007314.D
Acq On : 04 Oct 2021 20:20
Operator : CG/JU
Sample : M4032-01 2X
Misc :
ALS Vial : 16 Sample Multiplier: 1

Instrument : BNA_P
ClientSampleId : NB-08-100121

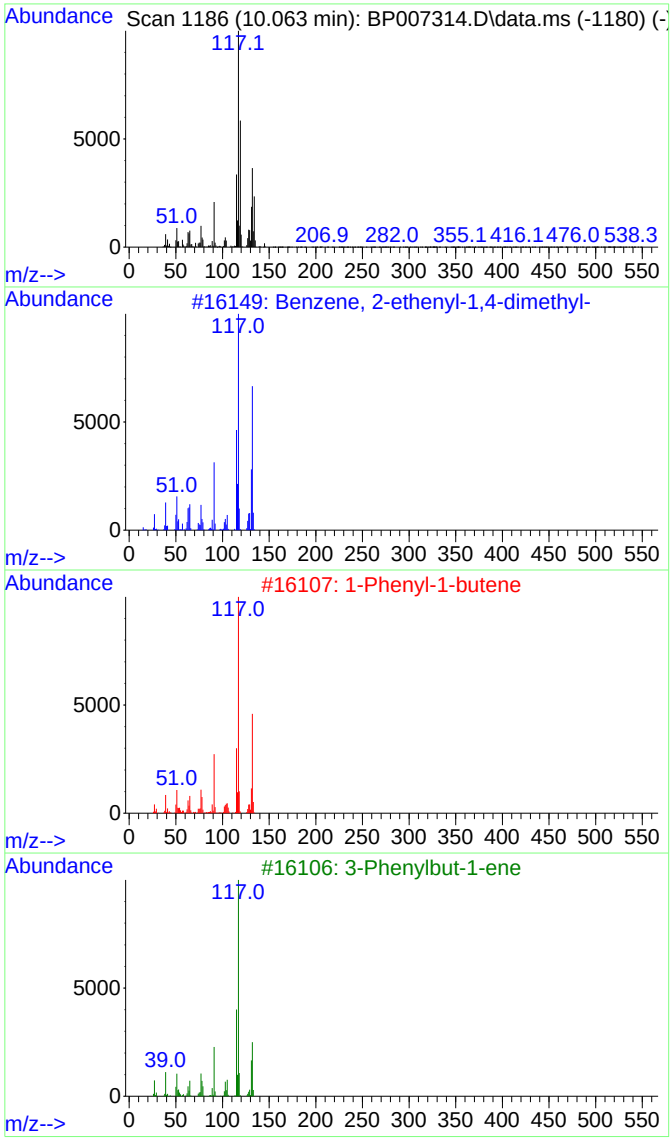
Quant Method : Z:\svoasrv\HPCHEM1\BNA_P\Methods\8270E-BP092121.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

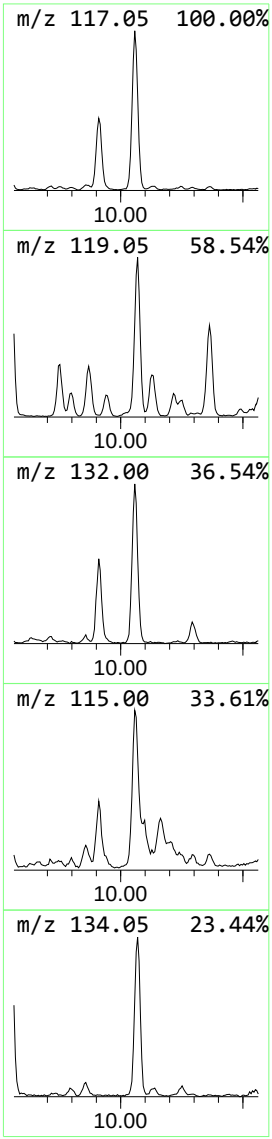
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 4 Benzene, 2-ethenyl-1,4-dime... Concentration Rank 15

R.T.	EstConc	Area	Relative to ISTD	R.T.
10.063	5.05 ng	498650	Naphthalene-d8	10.663

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzene, 2-ethenyl-1,4-dimethyl-	132	C10H12	002039-89-6	95
2	1-Phenyl-1-butene	132	C10H12	000824-90-8	70
3	3-Phenylbut-1-ene	132	C10H12	000934-10-1	70
4	Benzene, 2-ethenyl-1,3-dimethyl-	132	C10H12	002039-90-9	70
5	Benzene, 1-ethenyl-3-ethyl-	132	C10H12	007525-62-4	70





Data Path : Z:\svoasrv\HPCHEM1\BNA_P\Data\BP100421\
Data File : BP007314.D
Acq On : 04 Oct 2021 20:20
Operator : CG/JU
Sample : M4032-01 2X
Misc :
ALS Vial : 16 Sample Multiplier: 1

Instrument :
BNA_P
ClientSampleId :
NB-08-100121

Quant Method : Z:\svoasrv\HPCHEM1\BNA_P\Methods\8270E-BP092121.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

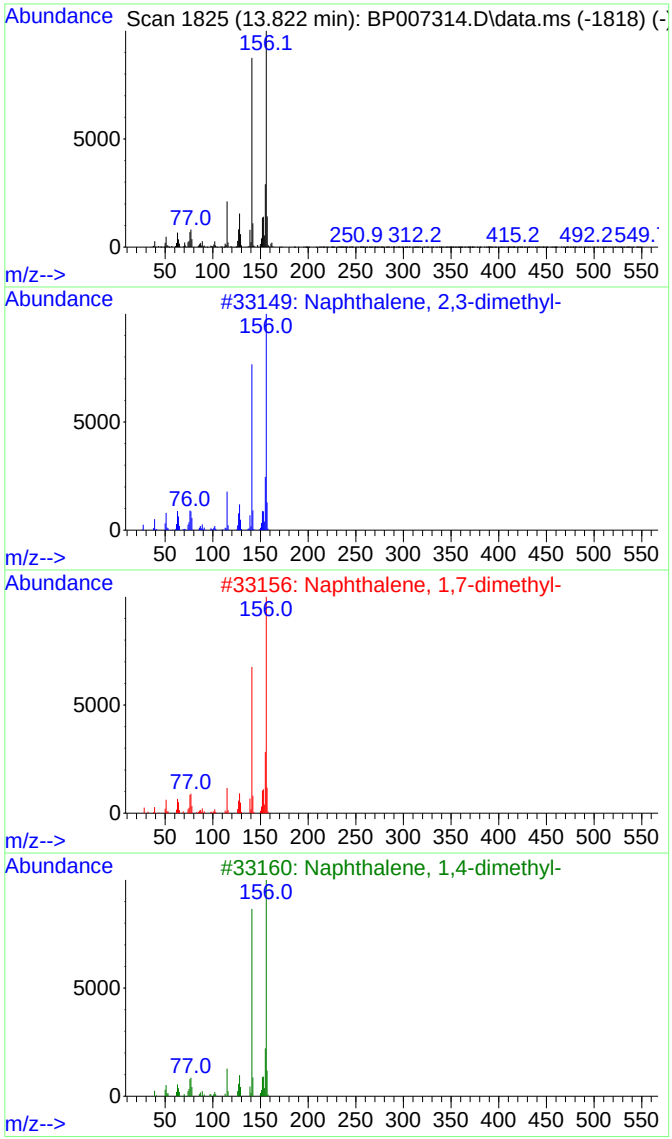
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

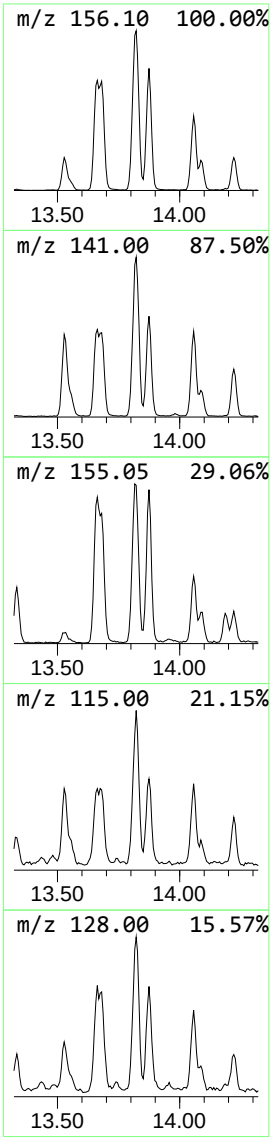
****

Peak Number 5 Naphthalene, 2,3-dimethyl- Concentration Rank 8

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.822	7.32 ng	858244	Acenaphthene-d10	14.498

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Naphthalene, 2,3-dimethyl-	156	C12H12	000581-40-8	97
2	Naphthalene, 1,7-dimethyl-	156	C12H12	000575-37-1	97
3	Naphthalene, 1,4-dimethyl-	156	C12H12	000571-58-4	96
4	Naphthalene, 1,6-dimethyl-	156	C12H12	000575-43-9	96
5	Naphthalene, 1,3-dimethyl-	156	C12H12	000575-41-7	96





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Acq On : 04 Oct 2021 20:20
Operator : CG/JU
Sample : M4032-01 2X
Misc :
ALS Vial : 16 Sample Multiplier: 1

Instrument :
BNA_P
ClientSampleId :
NB-08-100121

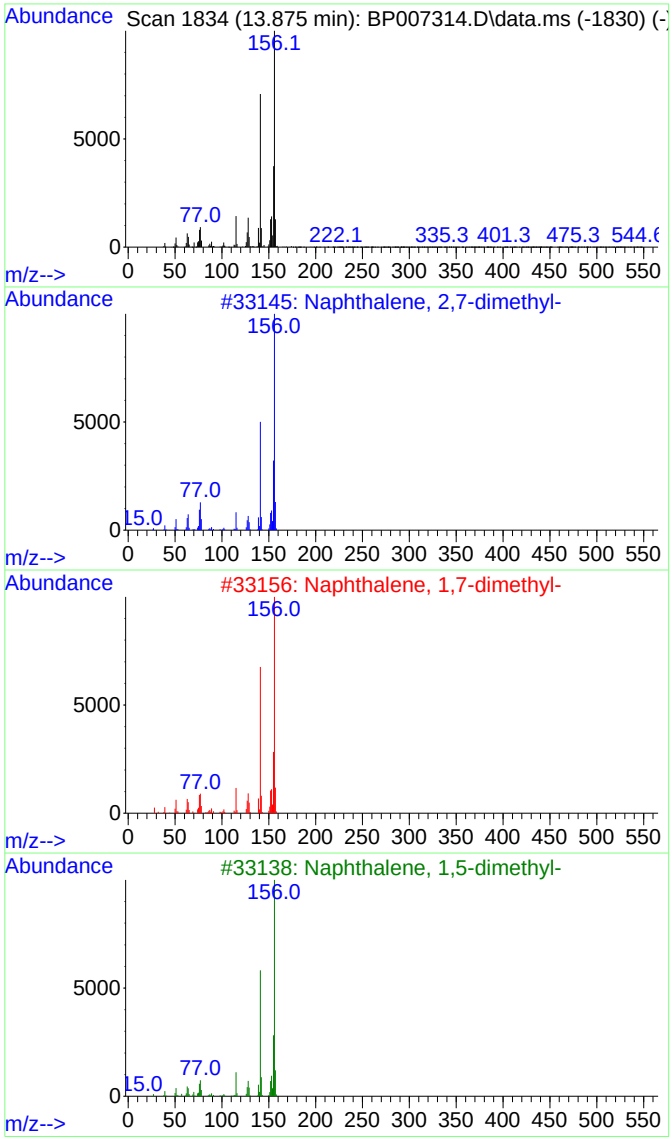
Quant Method : Z:\svoasrv\HPCHEM1\BNA_P\Methods\8270E-BP092121.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

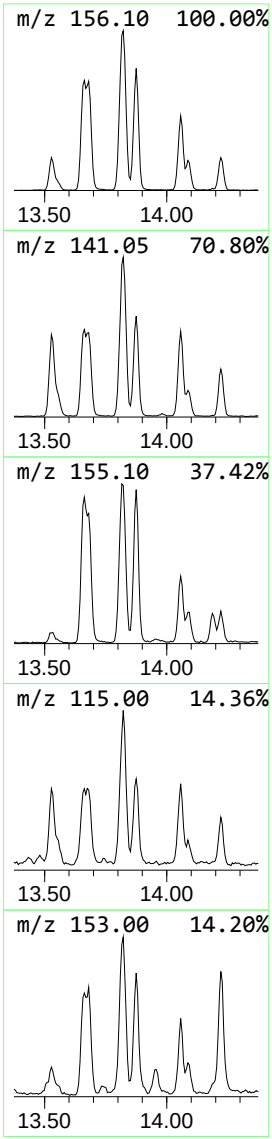
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 6 Naphthalene, 2,7-dimethyl- Concentration Rank 17

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.874	4.90 ng	573864	Acenaphthene-d10	14.498

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Naphthalene, 2,7-dimethyl-	156	C12H12	000582-16-1	97
2	Naphthalene, 1,7-dimethyl-	156	C12H12	000575-37-1	97
3	Naphthalene, 1,5-dimethyl-	156	C12H12	000571-61-9	97
4	Naphthalene, 2,6-dimethyl-	156	C12H12	000581-42-0	97
5	Naphthalene, 1,3-dimethyl-	156	C12H12	000575-41-7	97





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Operator : CG/JU
Sample : M4032-01 2X
Misc :
ALS Vial : 16 Sample Multiplier: 1

Instrument : BNA_P
ClientSampleId : NB-08-100121

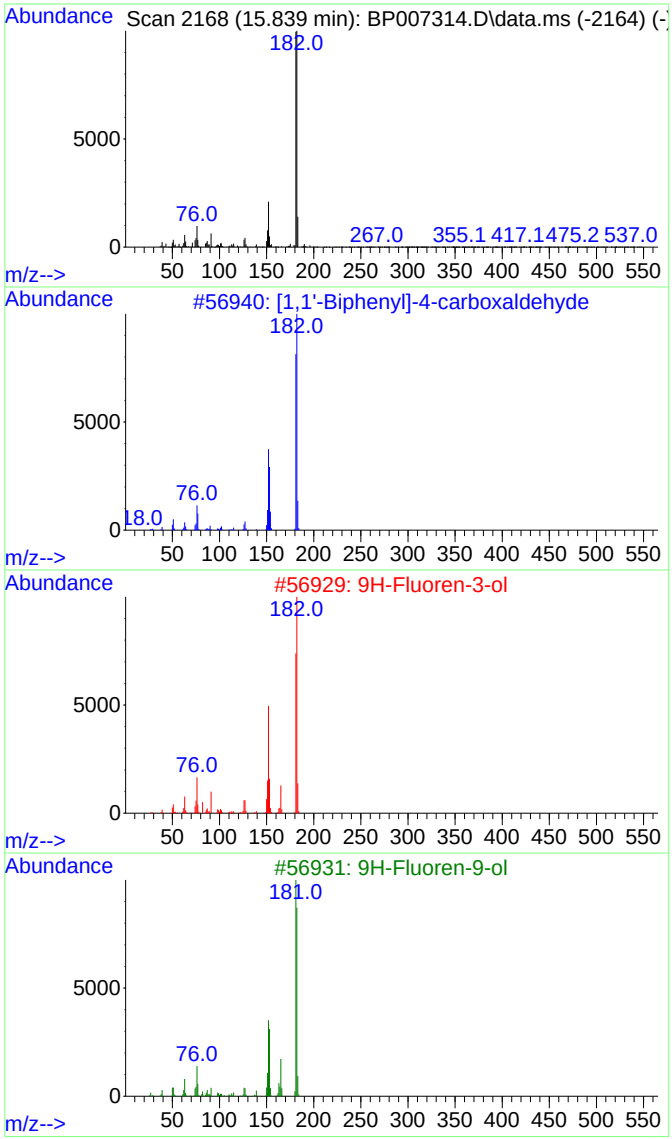
Quant Method : Z:\svoasrv\HPCHEM1\BNA_P\Methods\8270E-BP092121.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

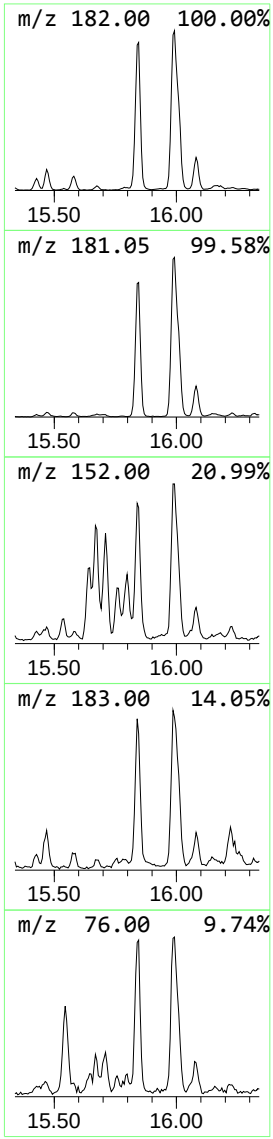
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 7 [1,1'-Biphenyl]-4-carboxald... Concentration Rank 20

R.T.	EstConc	Area	Relative to ISTD	R.T.
15.839	4.27 ng	500294	Acenaphthene-d10	14.498

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	[1,1'-Biphenyl]-4-carboxaldehyde	182	C13H10O	003218-36-8	91
2	9H-Fluoren-3-ol	182	C13H10O	006344-67-8	83
3	9H-Fluoren-9-ol	182	C13H10O	001689-64-1	80
4	2,4,6-Cycloheptatrien-1-one, 2-p...	182	C13H10O	014562-09-5	78
5	Norharmane, N-methyl-	182	C12H10N2	1010374-78-6	64





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Misc :
ALS Vial : 16 Sample Multiplier: 1

Instrument :
BNA_P
ClientSampleId :
NB-08-100121

Quant Method : Z:\svoasrv\HPCHEM1\BNA_P\Methods\8270E-BP092121.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

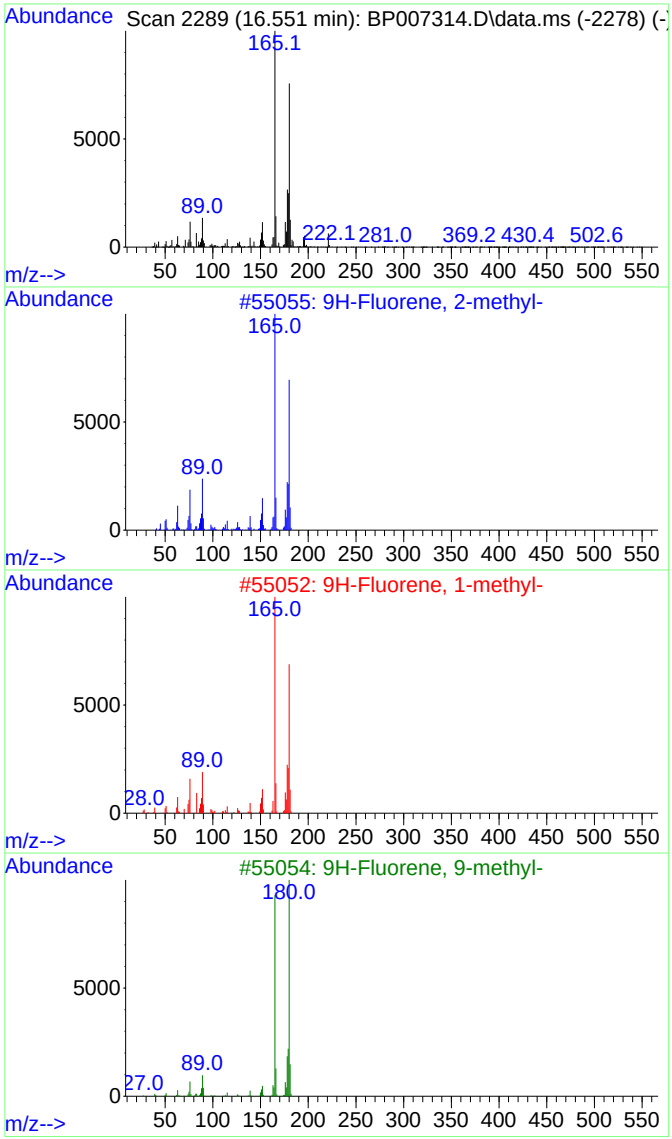
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

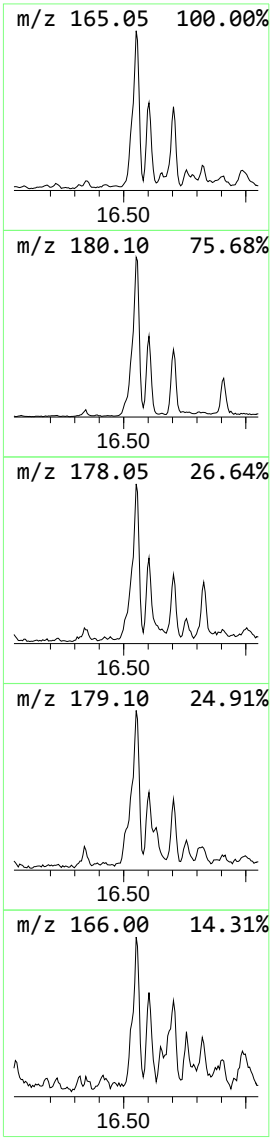
****

Peak Number 8 9H-Fluorene, 2-methyl- Concentration Rank 13

R.T.	EstConc	Area	Relative to ISTD	R.T.
16.551	5.64 ng	691265	Phenanthrene-d10	17.251

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	9H-Fluorene, 2-methyl-	180	C14H12	001430-97-3	96
2	9H-Fluorene, 1-methyl-	180	C14H12	001730-37-6	96
3	9H-Fluorene, 9-methyl-	180	C14H12	002523-37-7	93
4	9H-Fluorene, 3-methyl-	180	C14H12	002523-39-9	90
5	4a,9a-Methano-9H-fluorene	180	C14H12	019540-84-2	89





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Operator : CG/JU
Sample : M4032-01 2X
Misc :
ALS Vial : 16 Sample Multiplier: 1

Instrument :
BNA_P
ClientSampleId :
NB-08-100121

Quant Method : Z:\svoasrv\HPCHEM1\BNA_P\Methods\8270E-BP092121.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

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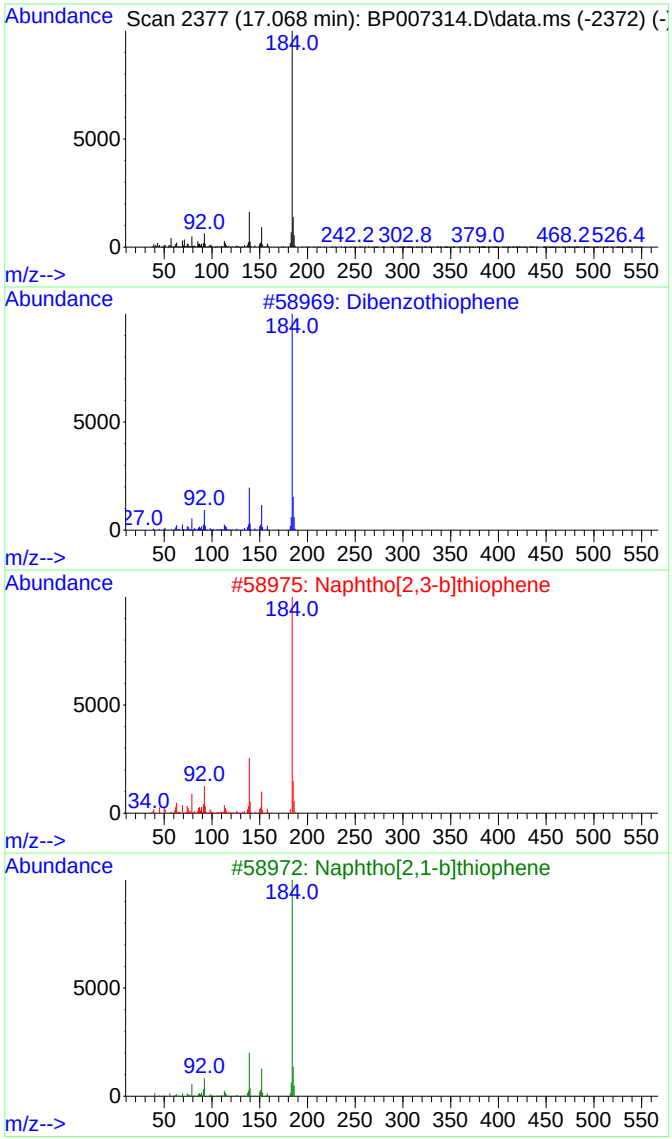
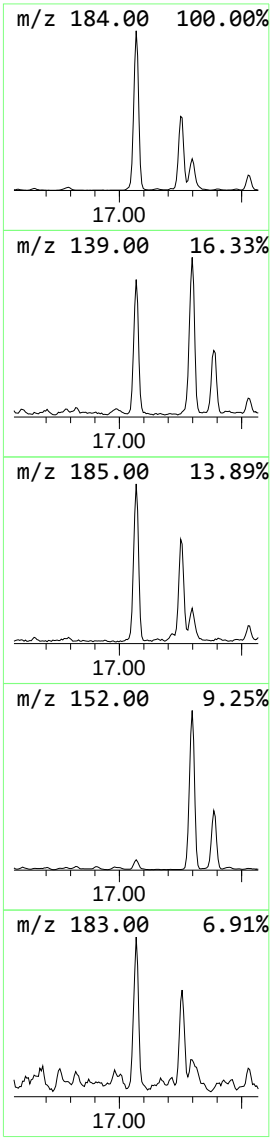
Peak Number 9 Dibenzothiophene Concentration Rank 10

R.T.	EstConc	Area	Relative to ISTD	R.T.
17.069	7.17 ng	878951	Phenanthrene-d10	17.251

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Dibenzothiophene	184	C12H8S	000132-65-0	97
2	Naphtho[2,3-b]thiophene	184	C12H8S	000268-77-9	97
3	Naphtho[2,1-b]thiophene	184	C12H8S	000233-02-3	96
4	Naphtho[1,2-b]thiophene	184	C12H8S	000234-41-3	95
5	Azuleno(2,1-b)thiophene	184	C12H8S	000248-13-5	91





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Misc :
ALS Vial : 16 Sample Multiplier: 1

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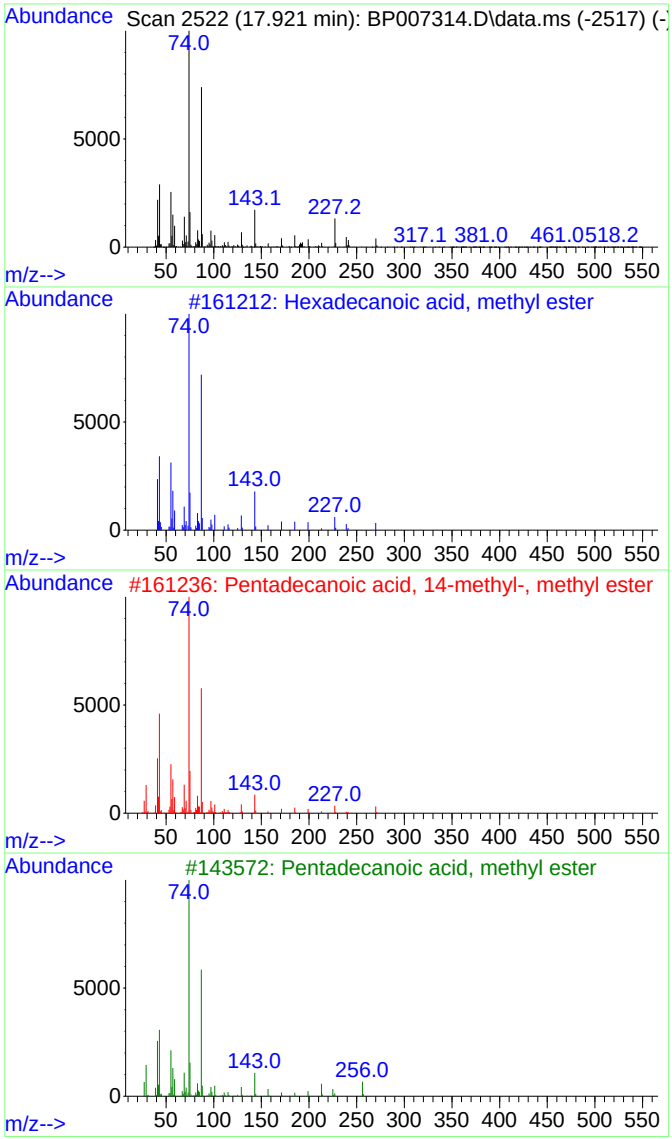
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

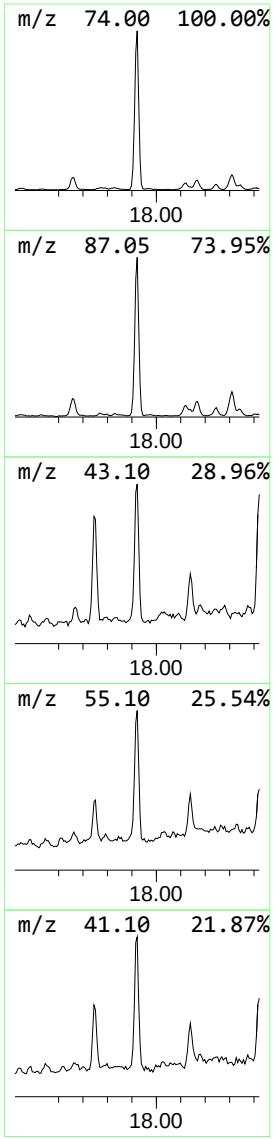
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 10 Hexadecanoic acid, methyl e... Concentration Rank 16

R.T.	EstConc	Area	Relative to ISTD	R.T.
17.921	4.94 ng	606044	Phenanthrene-d10	17.251

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Hexadecanoic acid, methyl ester	270	C17H34O2	000112-39-0	98
2	Pentadecanoic acid, 14-methyl-, ...	270	C17H34O2	005129-60-2	92
3	Pentadecanoic acid, methyl ester	256	C16H32O2	007132-64-1	86
4	Methyl tetradecanoate	242	C15H30O2	000124-10-7	80
5	Tridecanoic acid, methyl ester	228	C14H28O2	001731-88-0	80





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Operator : CG/JU
Sample : M4032-01 2X
Misc :
ALS Vial : 16 Sample Multiplier: 1

Instrument : BNA_P
ClientSampleId : NB-08-100121

Quant Method : Z:\svoasrv\HPCHEM1\BNA_P\Methods\8270E-BP092121.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

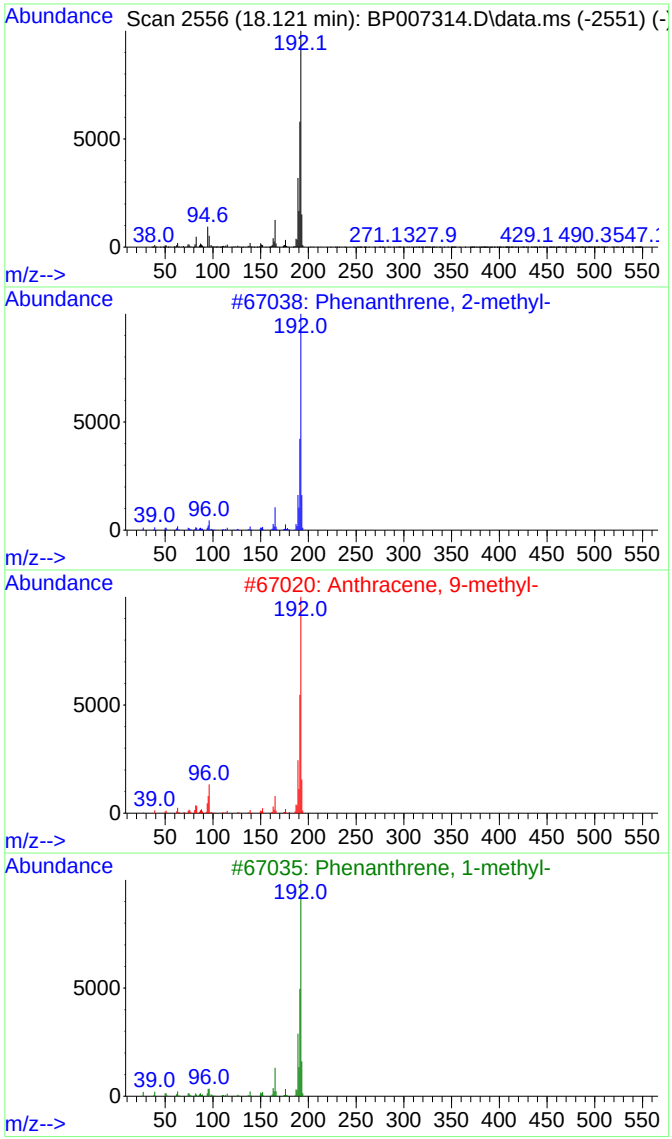
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

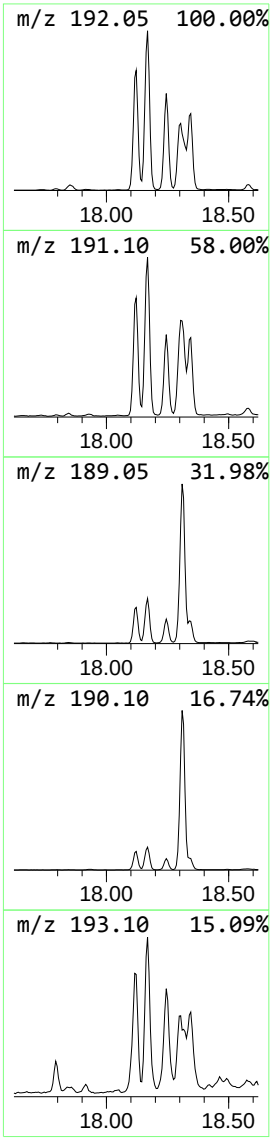
****

Peak Number 11 Phenanthrene, 2-methyl- Concentration Rank 6

R.T.	EstConc	Area	Relative to ISTD	R.T.
18.121	10.48 ng	1285190	Phenanthrene-d10	17.251

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Phenanthrene, 2-methyl-	192	C15H12	002531-84-2	94
2	Anthracene, 9-methyl-	192	C15H12	000779-02-2	91
3	Phenanthrene, 1-methyl-	192	C15H12	000832-69-9	91
4	Anthracene, 2-methyl-	192	C15H12	000613-12-7	91
5	Phenanthrene, 3-methyl-	192	C15H12	000832-71-3	90





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Acq On : 04 Oct 2021 20:20
Operator : CG/JU
Sample : M4032-01 2X
Misc :
ALS Vial : 16 Sample Multiplier: 1

Instrument : BNA_P
ClientSampleId : NB-08-100121

Quant Method : Z:\svoasrv\HPCHEM1\BNA_P\Methods\8270E-BP092121.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

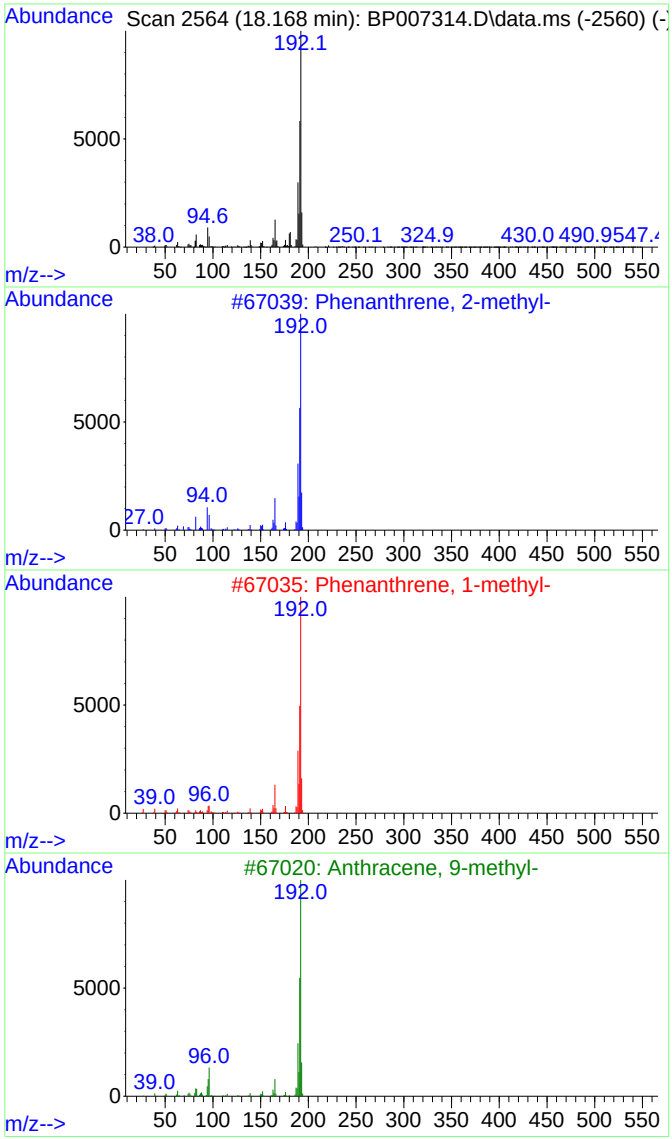
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

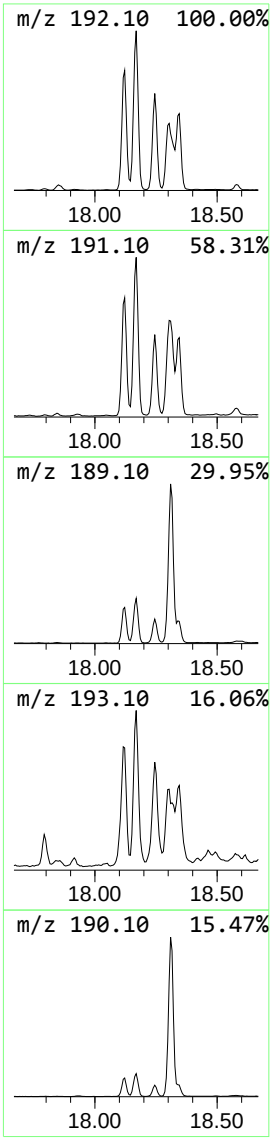
****

Peak Number 12 Phenanthrene, 1-methyl- Concentration Rank 4

R.T.	EstConc	Area	Relative to ISTD	R.T.
18.168	14.59 ng	1789760	Phenanthrene-d10	17.251

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Phenanthrene, 2-methyl-	192	C15H12	002531-84-2	98
2	Phenanthrene, 1-methyl-	192	C15H12	000832-69-9	97
3	Anthracene, 9-methyl-	192	C15H12	000779-02-2	95
4	1H-Cyclopropa[l]phenanthrene,1a,...	192	C15H12	000949-41-7	95
5	Anthracene, 2-methyl-	192	C15H12	000613-12-7	94





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Misc :
ALS Vial : 16 Sample Multiplier: 1

Instrument : BNA_P
ClientSampleId : NB-08-100121

Quant Method : Z:\svoasrv\HPCHEM1\BNA_P\Methods\8270E-BP092121.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

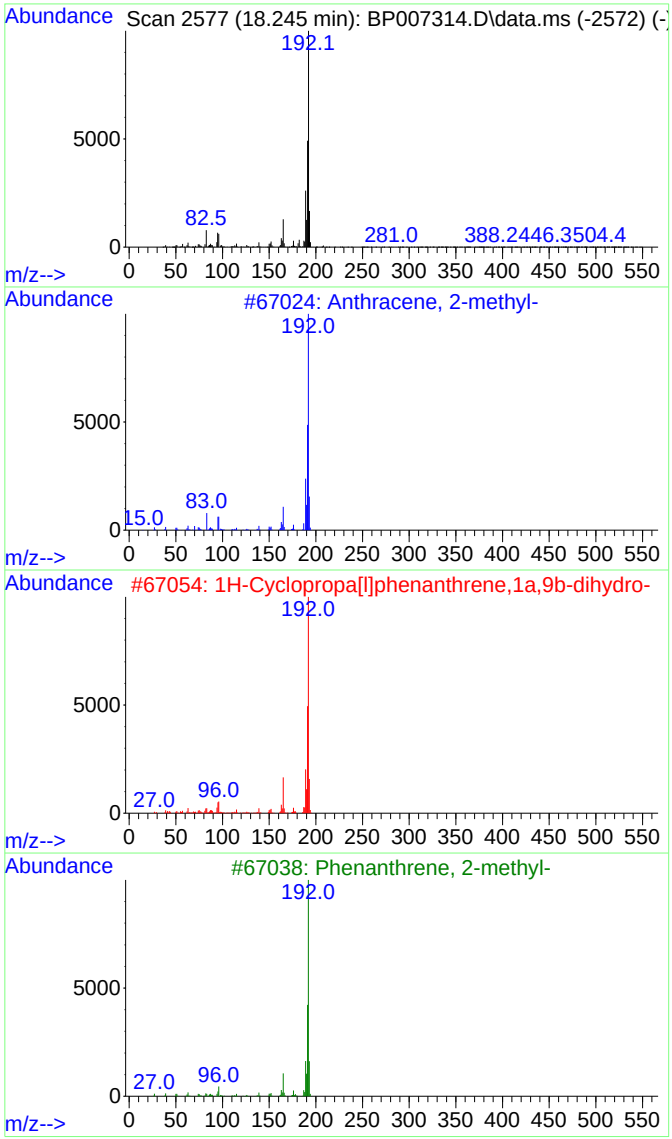
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

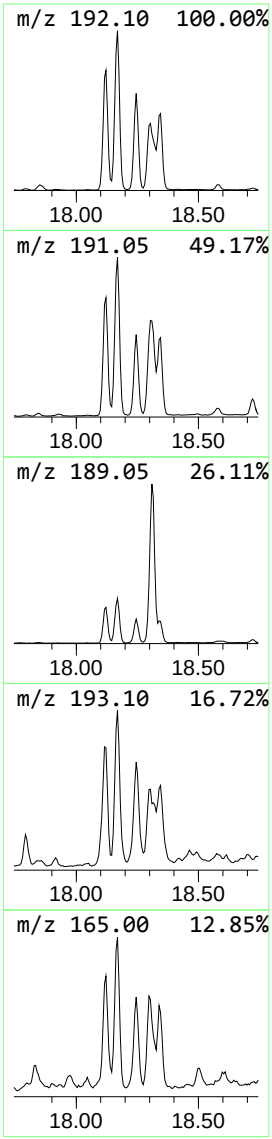
****

Peak Number 13 Anthracene, 2-methyl- Concentration Rank 7

R.T.	EstConc	Area	Relative to ISTD	R.T.
18.245	7.45 ng	914062	Phenanthrene-d10	17.251

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Anthracene, 2-methyl-	192	C15H12	000613-12-7	97
2	1H-Cyclopropa[l]phenanthrene,1a,...	192	C15H12	000949-41-7	97
3	Phenanthrene, 2-methyl-	192	C15H12	002531-84-2	97
4	Phenanthrene, 1-methyl-	192	C15H12	000832-69-9	96
5	Phenanthrene, 4-methyl-	192	C15H12	000832-64-4	95





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Sample : M4032-01 2X
Misc :
ALS Vial : 16 Sample Multiplier: 1

Instrument : BNA_P
ClientSampleId : NB-08-100121

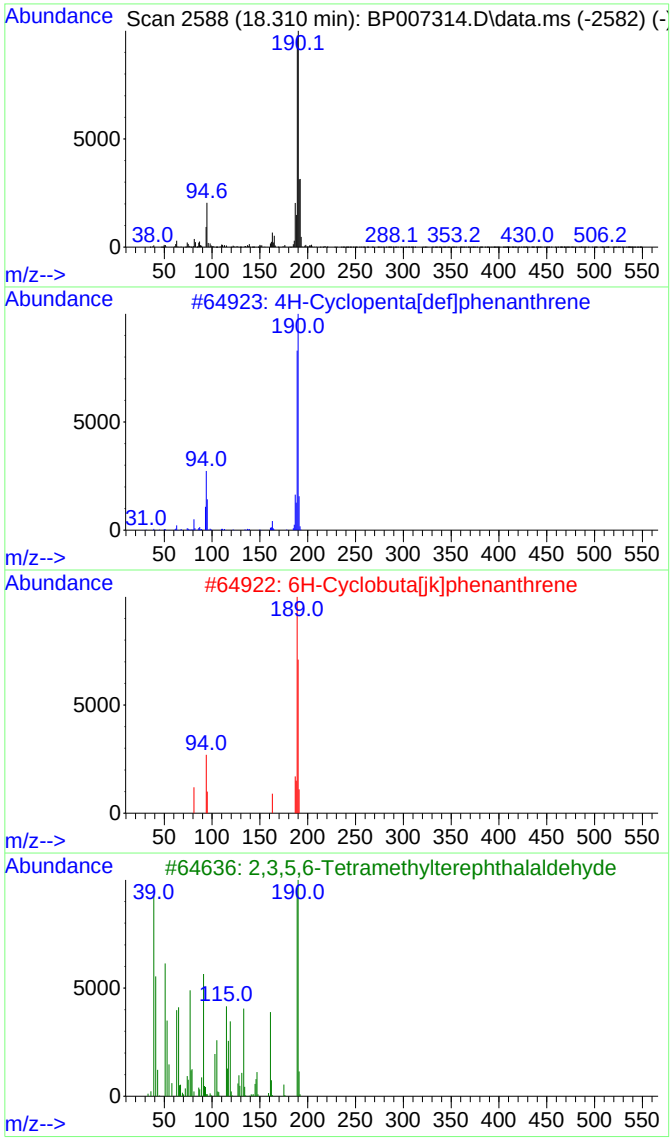
Quant Method : Z:\svoasrv\HPCHEM1\BNA_P\Methods\8270E-BP092121.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

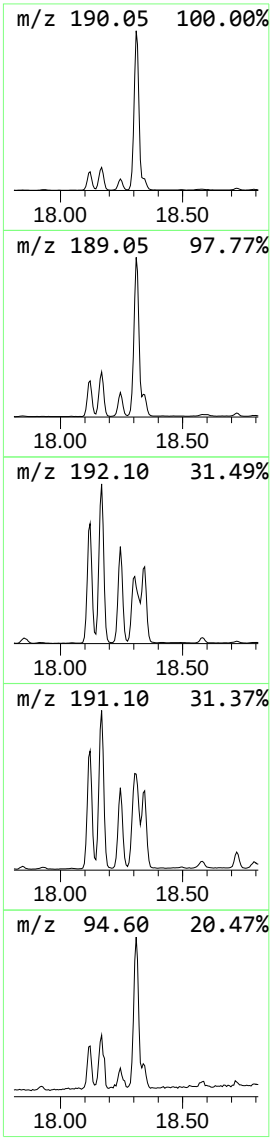
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 14 4H-Cyclopenta[def]phenanthrene Concentration Rank 2

R.T.	EstConc	Area	Relative to ISTD	R.T.
18.310	22.04 ng	2703780	Phenanthrene-d10	17.251

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	4H-Cyclopenta[def]phenanthrene	190	C15H10	000203-64-5	93
2	6H-Cyclobuta[jk]phenanthrene	190	C15H10	083469-43-6	72
3	2,3,5,6-Tetramethylterephthalald...	190	C12H14O2	007072-01-7	50
4	Methyl diselenide	190	C2H6Se2	007101-31-7	49
5	2,2'-Bis(4,5-dimethylimidazole)	190	C10H14N4	069286-06-2	45





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Misc :
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ClientSampleId : NB-08-100121

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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

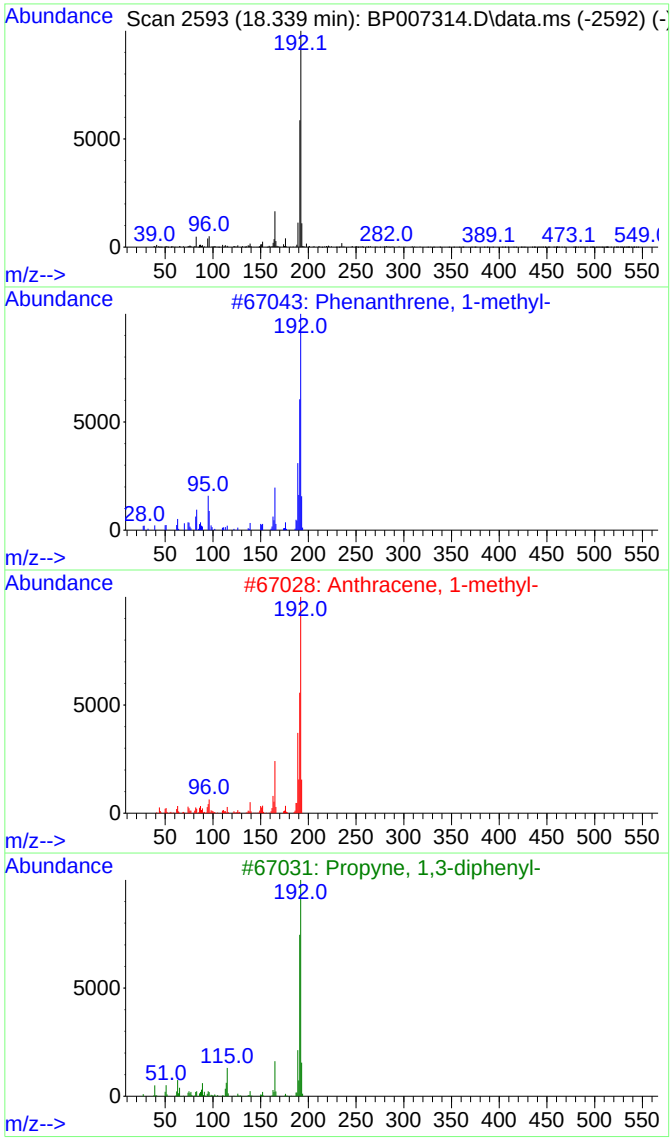
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

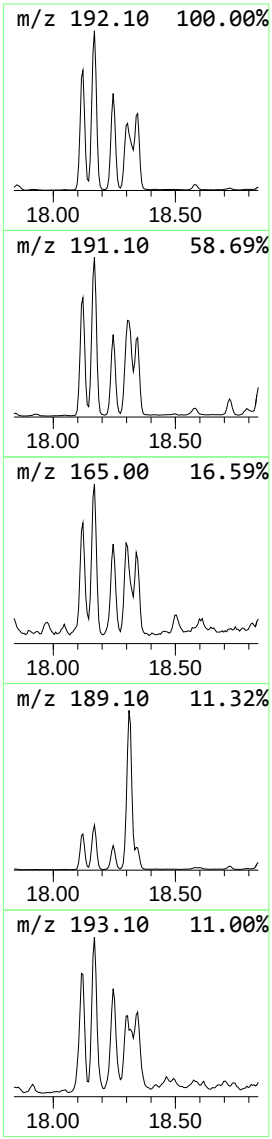
****

Peak Number 15 Anthracene, 1-methyl- Concentration Rank 18

R.T.	EstConc	Area	Relative to ISTD	R.T.
18.339	4.63 ng	567490	Phenanthrene-d10	17.251

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Phenanthrene, 1-methyl-	192	C15H12	000832-69-9	87
2	Anthracene, 1-methyl-	192	C15H12	000610-48-0	86
3	Propyne, 1,3-diphenyl-	192	C15H12	004980-70-5	80
4	1H-Cyclopropa[l]phenanthrene,1a,...	192	C15H12	000949-41-7	74
5	1H-Indene, 1-phenyl-	192	C15H12	001961-96-2	72





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Misc :
ALS Vial : 16 Sample Multiplier: 1

Instrument : BNA_P
ClientSampleId : NB-08-100121

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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

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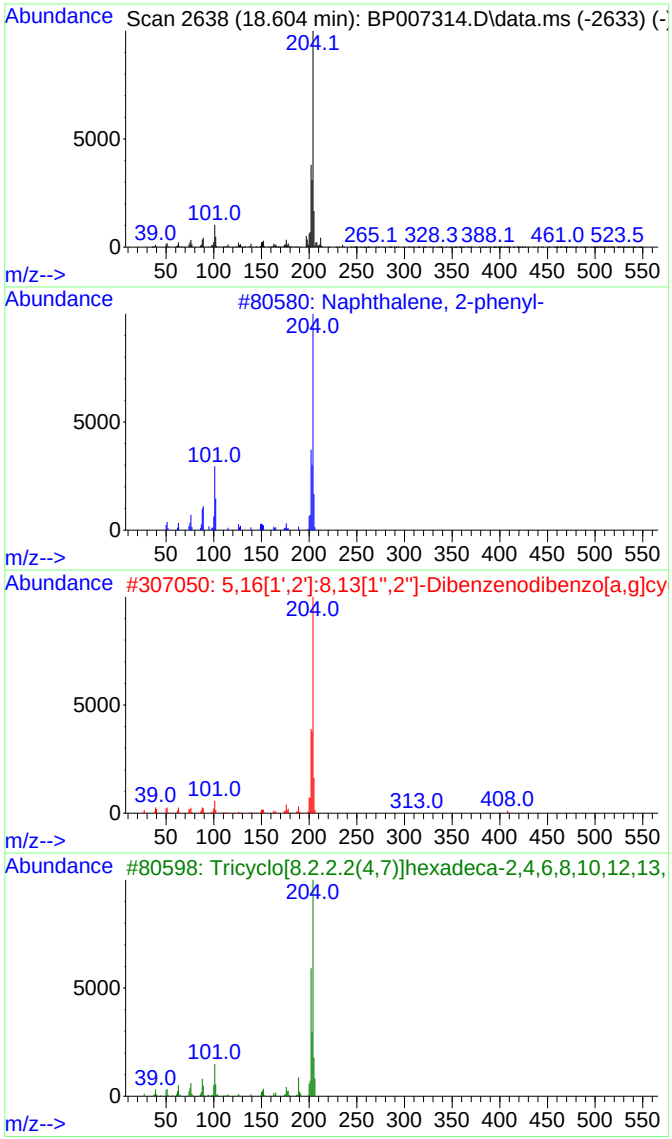
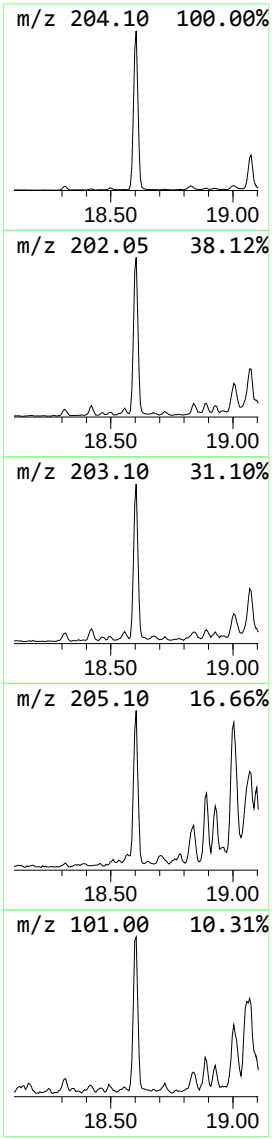
Peak Number 16 Naphthalene, 2-phenyl- Concentration Rank 11

R.T.	EstConc	Area	Relative to ISTD	R.T.
18.604	6.25 ng	766557	Phenanthrene-d10	17.251

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Naphthalene, 2-phenyl-	204	C16H12	000612-94-2	86
2	5,16[1',2']:8,13[1'',2'']-Dibenz...	408	C32H24	005672-97-9	83
3	Tricyclo[8.2.2.2(4,7)]hexadeca-2...	204	C16H12	006572-60-7	58
4	9,10-Bis(bromomethyl)anthracene	362	C16H12Br2	034373-96-1	46
5	Naphthalene, 1-phenyl-	204	C16H12	000605-02-7	45





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Acq On : 04 Oct 2021 20:20
Operator : CG/JU
Sample : M4032-01 2X
Misc :
ALS Vial : 16 Sample Multiplier: 1

Instrument :
BNA_P
ClientSampleId :
NB-08-100121

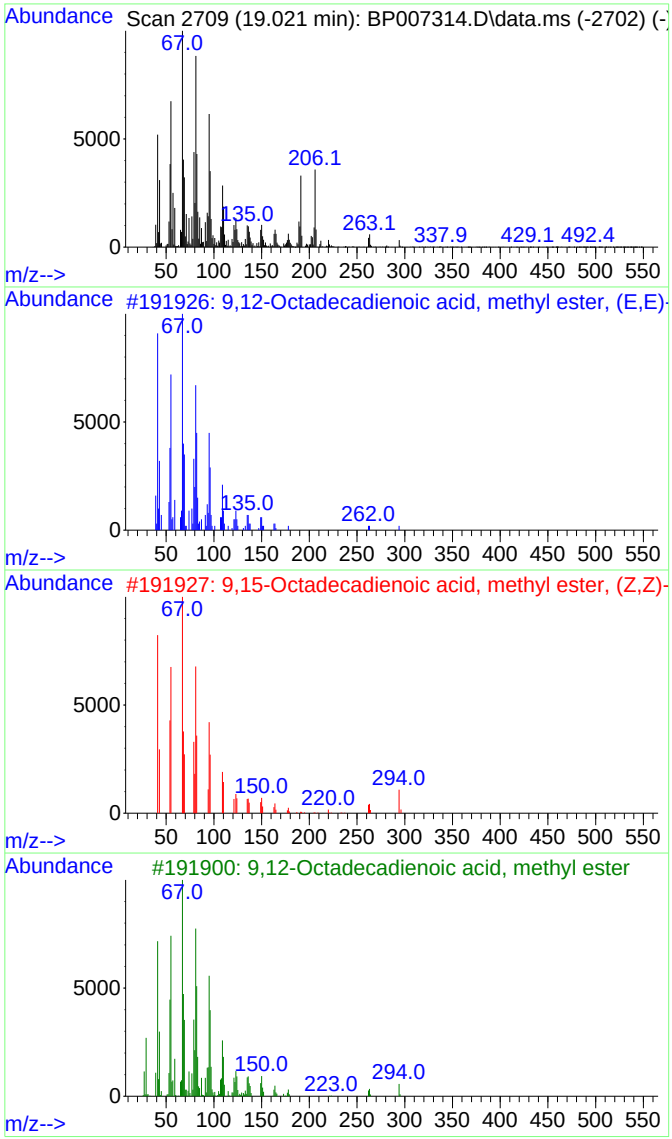
Quant Method : Z:\svoasrv\HPCHEM1\BNA_P\Methods\8270E-BP092121.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

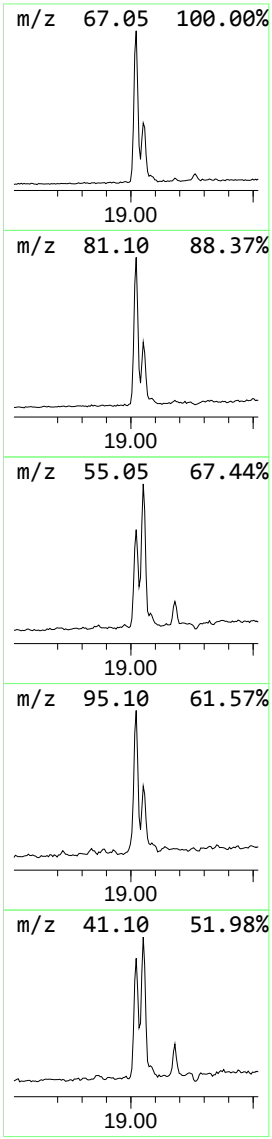
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 17 9,12-Octadecadienoic acid, ... Concentration Rank 3

R.T.	EstConc	Area	Relative to ISTD	R.T.
19.021	17.88 ng	2192570	Phenanthrene-d10	17.251

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	9,12-Octadecadienoic acid, methy...	294	C19H34O2	002566-97-4	99
2	9,15-Octadecadienoic acid, methy...	294	C19H34O2	017309-05-6	99
3	9,12-Octadecadienoic acid, methy...	294	C19H34O2	002462-85-3	99
4	9,12-Octadecadienoic acid (Z,Z)-...	294	C19H34O2	000112-63-0	99
5	Methyl 9-cis,11-trans-octadecadi...	294	C19H34O2	013058-52-1	99





Data Path : Z:\svoasrv\HPCHEM1\BNA_P\Data\BP100421\
Data File : BP007314.D
Acq On : 04 Oct 2021 20:20
Operator : CG/JU
Sample : M4032-01 2X
Misc :
ALS Vial : 16 Sample Multiplier: 1

Instrument : BNA_P
ClientSampleId : NB-08-100121

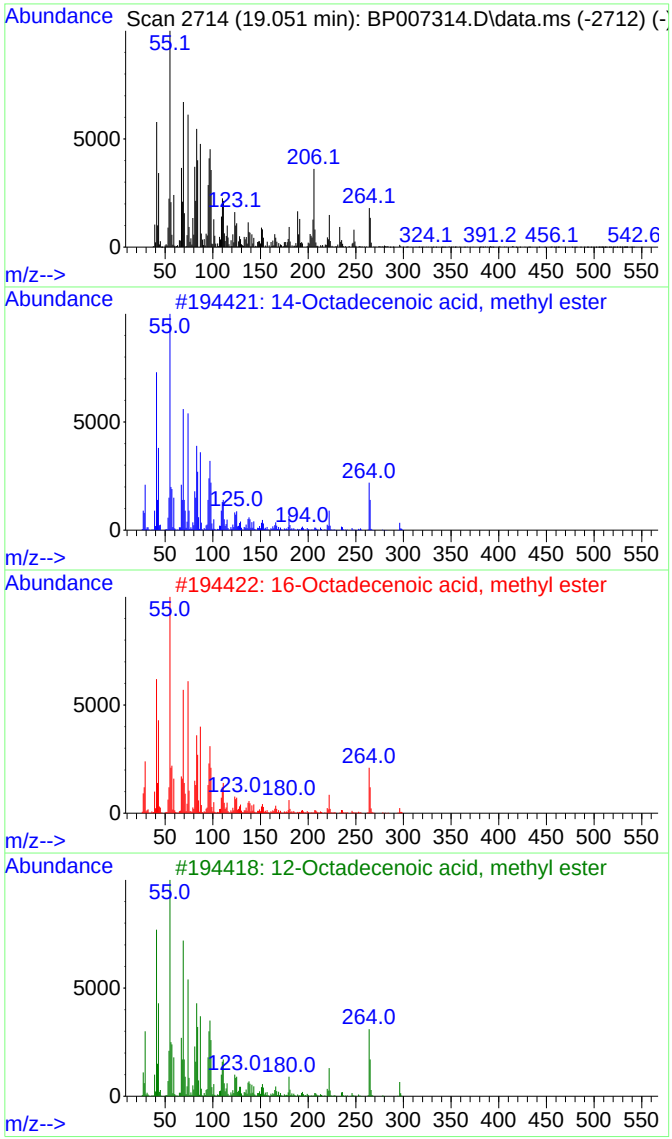
Quant Method : Z:\svoasrv\HPCHEM1\BNA_P\Methods\8270E-BP092121.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

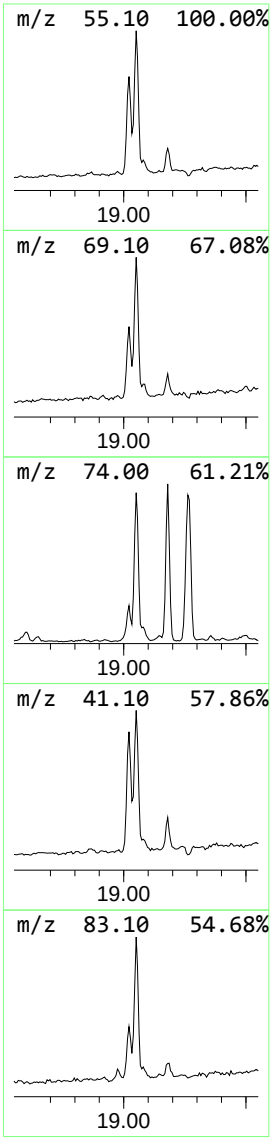
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 18 14-Octadecenoic acid, methy... Concentration Rank 5

R.T.	EstConc	Area	Relative to ISTD	R.T.
19.051	12.58 ng	1542780	Phenanthrene-d10	17.251

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	14-Octadecenoic acid, methyl ester	296	C19H36O2	056554-48-4	99
2	16-Octadecenoic acid, methyl ester	296	C19H36O2	056554-49-5	99
3	12-Octadecenoic acid, methyl ester	296	C19H36O2	056554-46-2	99
4	13-Octadecenoic acid, methyl ester	296	C19H36O2	056554-47-3	99
5	15-Octadecenoic acid, methyl ester	296	C19H36O2	004764-72-1	98





Data Path : Z:\svoasrv\HPCHEM1\BNA_P\Data\BP100421\
Data File : BP007314.D
Acq On : 04 Oct 2021 20:20
Operator : CG/JU
Sample : M4032-01 2X
Misc :
ALS Vial : 16 Sample Multiplier: 1

Instrument : BNA_P
ClientSampleId : NB-08-100121

Quant Method : Z:\svoasrv\HPCHEM1\BNA_P\Methods\8270E-BP092121.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

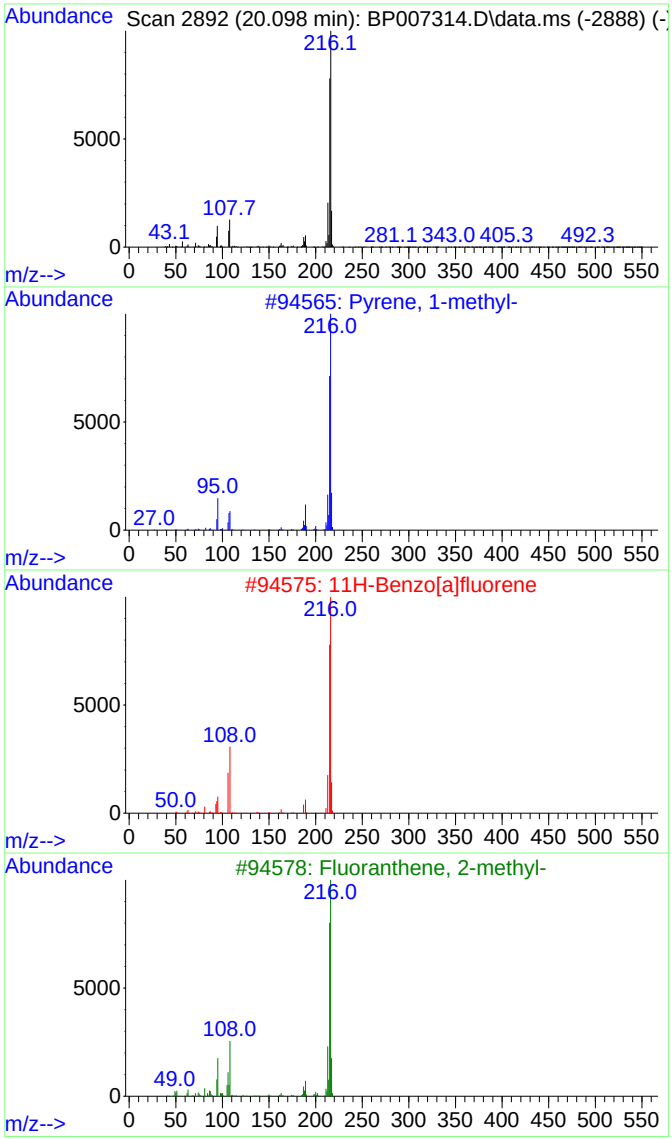
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

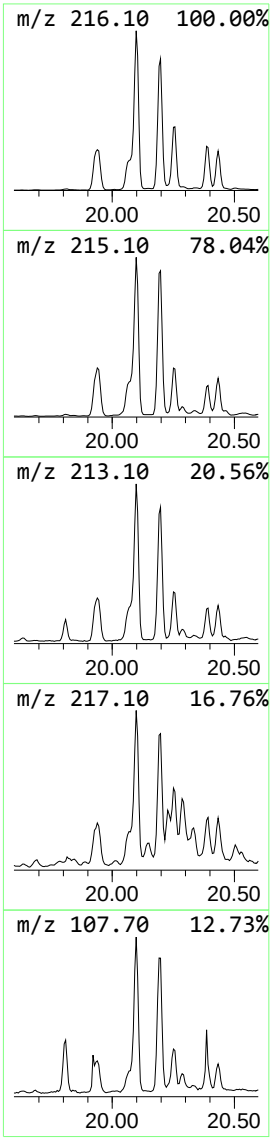
****

Peak Number 19 Pyrene, 1-methyl- Concentration Rank 14

R.T.	EstConc	Area	Relative to ISTD	R.T.
20.098	5.14 ng	2486280	Chrysene-d12	21.339

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Pyrene, 1-methyl-	216	C17H12	002381-21-7	93
2	11H-Benzo[a]fluorene	216	C17H12	000238-84-6	93
3	Fluoranthene, 2-methyl-	216	C17H12	033543-31-6	91
4	11H-Benzo[b]fluorene	216	C17H12	000243-17-4	90
5	Pyrene, 2-methyl-	216	C17H12	003442-78-2	87





Data Path : Z:\svoasrv\HPCHEM1\BNA_P\Data\BP100421\
Data File : BP007314.D
Acq On : 04 Oct 2021 20:20
Operator : CG/JU
Sample : M4032-01 2X
Misc :
ALS Vial : 16 Sample Multiplier: 1

Instrument : BNA_P
ClientSampleId : NB-08-100121

Quant Method : Z:\svoasrv\HPCHEM1\BNA_P\Methods\8270E-BP092121.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

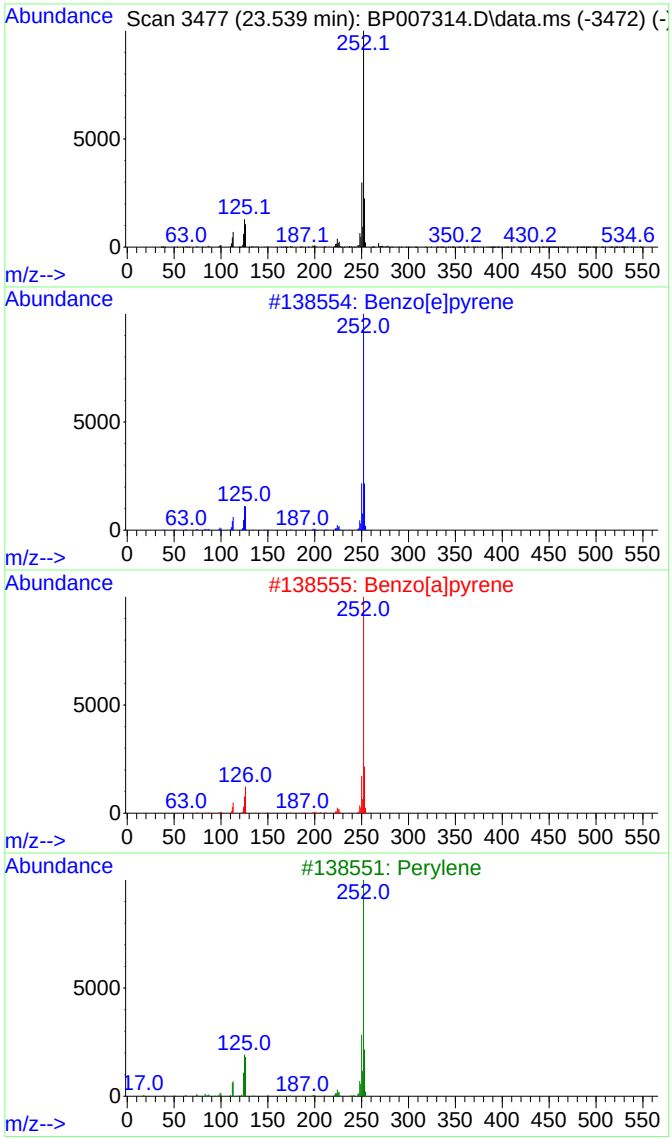
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

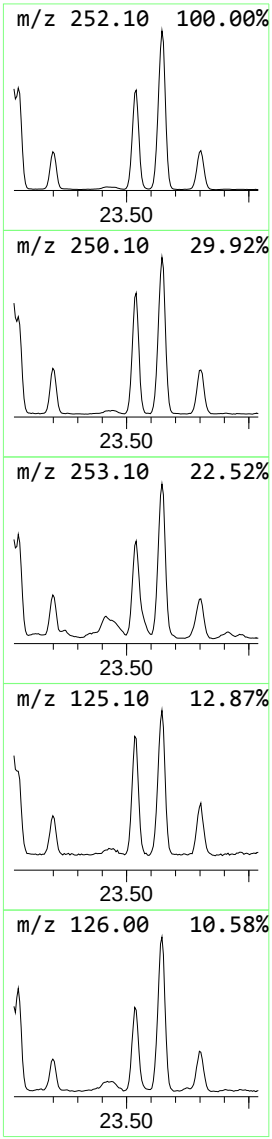
****

Peak Number 20 Benzo[e]pyrene Concentration Rank 1

R.T.	EstConc	Area	Relative to ISTD	R.T.
23.539	31.15 ng	3017120	Perylene-d12	23.750

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzo[e]pyrene	252	C20H12	000192-97-2	98
2	Benzo[a]pyrene	252	C20H12	000050-32-8	98
3	Perylene	252	C20H12	000198-55-0	95
4	Benzo[j]fluoranthene	252	C20H12	000205-82-3	95
5	Benzo[k]fluoranthene	252	C20H12	000207-08-9	94





Tentatively Identified Compound (LSC) summary

Data Path : Z:\svoasrv\HPCHEM1\BNA_P\Data\BP100421\
Data File : BP007314.D
Acq On : 04 Oct 2021 20:20
Operator : CG/JU
Sample : M4032-01 2X
Misc :
ALS Vial : 16 Sample Multiplier: 1

Instrument : BNA_P
ClientSampleId : NB-08-100121

Quant Method : Z:\svoasrv\HPCHEM1\BNA_P\Methods\8270E-BP092121.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

					--Internal Standard---			
TIC Top Hit name	RT	EstConc	Units	Response	#	RT	Resp	Conc
Benzene, 2-ethy...	8.504	4.5	ng	319954	1	7.863	1433160	20.0
Benzene, 1-ethy...	8.969	5.9	ng	420949	1	7.863	1433160	20.0
Undecane	9.087	7.3	ng	521960	1	7.863	1433160	20.0
Benzene, 2-ethe...	10.063	5.0	ng	498650	2	10.663	1973280	20.0
Naphthalene, 2,...	13.822	7.3	ng	858244	3	14.498	2344490	20.0
Naphthalene, 2,...	13.874	4.9	ng	573864	3	14.498	2344490	20.0
[1,1'-Biphenyl]...	15.839	4.3	ng	500294	3	14.498	2344490	20.0
9H-Fluorene, 2-...	16.551	5.6	ng	691265	4	17.251	2453150	20.0
Dibenzothiophene	17.069	7.2	ng	878951	4	17.251	2453150	20.0
Hexadecanoic ac...	17.921	4.9	ng	606044	4	17.251	2453150	20.0
Phenanthrene, 2...	18.121	10.5	ng	1285190	4	17.251	2453150	20.0
Phenanthrene, 1...	18.168	14.6	ng	1789760	4	17.251	2453150	20.0
Anthracene, 2-m...	18.245	7.5	ng	914062	4	17.251	2453150	20.0
4H-Cyclopenta[d...	18.310	22.0	ng	2703780	4	17.251	2453150	20.0
Anthracene, 1-m...	18.339	4.6	ng	567490	4	17.251	2453150	20.0
Naphthalene, 2-...	18.604	6.3	ng	766557	4	17.251	2453150	20.0
9,12-Octadecadi...	19.021	17.9	ng	2192570	4	17.251	2453150	20.0
14-Octadecenoic...	19.051	12.6	ng	1542780	4	17.251	2453150	20.0
Pyrene, 1-methyl-	20.098	5.1	ng	2486280	5	21.339	9682410	20.0
Benzo[e]pyrene	23.539	31.1	ng	3017120	6	23.750	1936890	20.0