LSC Area Percent Report

Data Path : Z:\svoasrv\HPCHEM1\BNA_P\Data\BP032222\
Data File : BP009496.D
Acq On : 22 Mar 2022 19:45
Operator : CG/JU
Sample : N2039-01
Misc :
ALS Vial : 17 Sample Multiplier: 1

Instrument : BNA_P
ClientSampleId : OK-03-031822

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-BP031722.M
Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

Signal : TIC: BP009496.D\data.ms

peak #	R.T. min	first scan	max scan	last scan	PK TY	peak height	corr. area	corr. % max.	% of total
1	3.046	6	10	15	rBV	601470	762666	4.17%	0.322%
2	3.087	15	17	31	rVB	143706	208002	1.14%	0.088%
3	5.399	401	410	434	rBV	6254220	10405305	56.92%	4.395%
4	6.981	668	679	695	rBV	5436181	10096671	55.24%	4.265%
5	7.793	809	817	825	rBV	1459613	2519547	13.78%	1.064%
6	8.946	995	1013	1024	rBV	3519416	6791567	37.15%	2.869%
7	9.028	1024	1027	1037	rVB2	114221	228855	1.25%	0.097%
8	10.581	1283	1291	1296	rBV	1767277	3429757	18.76%	1.449%
9	10.634	1296	1300	1310	rVB	972399	1804293	9.87%	0.762%
10	10.763	1318	1322	1327	rVB2	144815	231922	1.27%	0.098%
11	11.299	1403	1413	1418	rBV9	110714	300864	1.65%	0.127%
12	11.516	1444	1450	1458	rVB9	72365	208081	1.14%	0.088%
13	11.634	1464	1470	1478	rBV2	289867	616536	3.37%	0.260%
14	12.028	1531	1537	1546	rBV	293018	616839	3.37%	0.261%
15	12.251	1569	1575	1583	rVB	426226	866572	4.74%	0.366%
16	12.469	1607	1612	1616	rBV	221842	423471	2.32%	0.179%
17	12.510	1616	1619	1623	rVB2	167081	245103	1.34%	0.104%
18	12.934	1686	1691	1695	rBV6	96783	212444	1.16%	0.090%
19	12.987	1695	1700	1704	rVV	390390	604959	3.31%	0.256%
20	13.057	1705	1712	1722	rVV	8270880	13122890	71.79%	5.543%
21	13.269	1742	1748	1756	rBV2	519396	911686	4.99%	0.385%
22	13.375	1761	1766	1771	rBV3	156651	299725	1.64%	0.127%
23	13.598	1799	1804	1813	rBV3	167455	448175	2.45%	0.189%
24	13.757	1827	1831	1835	rVV	175760	320950	1.76%	0.136%
25	13.810	1835	1840	1844	rVB3	168904	302560	1.66%	0.128%
26	13.934	1857	1861	1865	rBV3	277112	365432	2.00%	0.154%
27	14.157	1894	1899	1903	rBV3	123728	238985	1.31%	0.101%
28	14.351	1927	1932	1937	rBV	497311	707728	3.87%	0.299%
29	14.434	1939	1946	1952	rVV	2348967	3932208	21.51%	1.661%
30	14.498	1952	1957	1965	rVV	1874176	3094260	16.93%	1.307%
31	14.575	1966	1970	1975	rVB3	124809	230063	1.26%	0.097%
32	14.834	2009	2014	2022	rVB	1073424	1945442	10.64%	0.822%
33	14.975	2034	2038	2046	rVB4	196859	356776	1.95%	0.151%
34	15.063	2047	2053	2056	rBV5	124277	281909	1.54%	0.119%
35	15.304	2090	2094	2099	rVB	494622	662797	3.63%	0.280%
36	15.487	2120	2125	2131	rBV	2011533	3218451	17.61%	1.360%

LSC Area Percent Report

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Data File : BP009496.D
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Operator : CG/JU
Sample : N2039-01
Misc :
ALS Vial : 17 Sample Multiplier: 1

Instrument :
BNA_P
ClientSampleId :
OK-03-031822

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-BP031722.M
Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

37	15.651	2150	2153	2158	rVB3	199125	269395	1.47%	0.114%
38	15.716	2158	2164	2172	rBV3	338073	761696	4.17%	0.322%
39	15.787	2173	2176	2185	rVB2	281028	539250	2.95%	0.228%
40	15.869	2186	2190	2194	rBV4	100733	189019	1.03%	0.080%
41	15.934	2195	2201	2210	rBV	5894728	9333364	51.06%	3.943%
42	16.175	2237	2242	2244	rBV	639925	907604	4.97%	0.383%
43	16.286	2257	2261	2269	rBV3	260974	463936	2.54%	0.196%
44	16.392	2276	2279	2286	rBV	182835	293173	1.60%	0.124%
45	16.969	2370	2377	2381	rBV2	464394	1038461	5.68%	0.439%
46	17.016	2381	2385	2395	rVB2	903684	1773013	9.70%	0.749%
47	17.198	2411	2416	2419	rBV	2499202	3901976	21.35%	1.648%
48	17.245	2419	2424	2430	rVV	11637465	17885818	97.85%	7.555%
49	17.333	2431	2439	2445	rVV	2953462	4736866	25.91%	2.001%
50	17.398	2446	2450	2456	rVB	445261	728649	3.99%	0.308%
51	17.610	2480	2486	2497	rVB	1813472	3135613	17.15%	1.325%
52	17.722	2501	2505	2512	rVB2	572041	765313	4.19%	0.323%
53	18.075	2560	2565	2568	rBV	697715	1014300	5.55%	0.428%
54	18.122	2568	2573	2581	rVB	1220778	2097094	11.47%	0.886%
55	18.204	2583	2587	2591	rBV	320899	479458	2.62%	0.203%
56	18.263	2592	2597	2601	rBV2	1730143	2754888	15.07%	1.164%
57	18.392	2616	2619	2626	rVB2	415005	717087	3.92%	0.303%
58	18.563	2644	2648	2652	rVB	590515	738161	4.04%	0.312%
59	18.845	2693	2696	2700	rBV2	242147	331831	1.82%	0.140%
60	18.969	2713	2717	2720	rBV	303786	449071	2.46%	0.190%
61	19.010	2721	2724	2730	rVB3	369354	621392	3.40%	0.262%
62	19.227	2755	2761	2768	rBV	12363613	17970943	98.31%	7.591%
63	19.580	2811	2821	2830	rBV	9066569	18279202	100.00%	7.721%
64	19.645	2830	2832	2839	rVB2	454602	751217	4.11%	0.317%
65	19.775	2847	2854	2859	rBV	12385633	17947116	98.18%	7.581%
66	19.892	2870	2874	2880	rBV2	390406	947927	5.19%	0.400%
67	20.063	2899	2903	2912	rVB2	1816459	2761309	15.11%	1.166%
68	20.163	2915	2920	2924	rBV	2129025	2803496	15.34%	1.184%
69	20.257	2933	2936	2940	rVB	513663	626564	3.43%	0.265%
70	20.580	2988	2991	2995	rBV	452134	500845	2.74%	0.212%
71	20.963	3053	3056	3059	rBV	847568	1035180	5.66%	0.437%
72	21.051	3066	3071	3085	rVB4	1357207	3120417	17.07%	1.318%
73	21.304	3109	3114	3119	rBV3	6329606	12948510	70.84%	5.470%
74	21.351	3119	3122	3132	rVB	4515765	6282063	34.37%	2.654%
75	21.474	3139	3143	3150	rVB	1250166	1666478	9.12%	0.704%
76	22.992	3395	3401	3406	rBV	3348511	8080344	44.21%	3.413%

LSC Area Percent Report

Data Path : Z:\svoasrv\HPCHEM1\BNA_P\Data\BP032222\
Data File : BP009496.D
Acq On : 22 Mar 2022 19:45
Operator : CG/JU
Sample : N2039-01
Misc :
ALS Vial : 17 Sample Multiplier: 1

Instrument :
BNA_P
ClientSampleId :
OK-03-031822

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-BP031722.M
Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

77	23.510	3485	3489	3497	rVB	1865437	3849752	21.06%	1.626%
78	23.616	3502	3507	3516	rVB	2991093	6369408	34.85%	2.691%
79	23.721	3520	3525	3530	rVV2	2052124	3854949	21.09%	1.628%

Sum of corrected areas: 236735639

Data Path : Z:\svoasrv\HPCHEM1\BNA_P\Data\BP032222\
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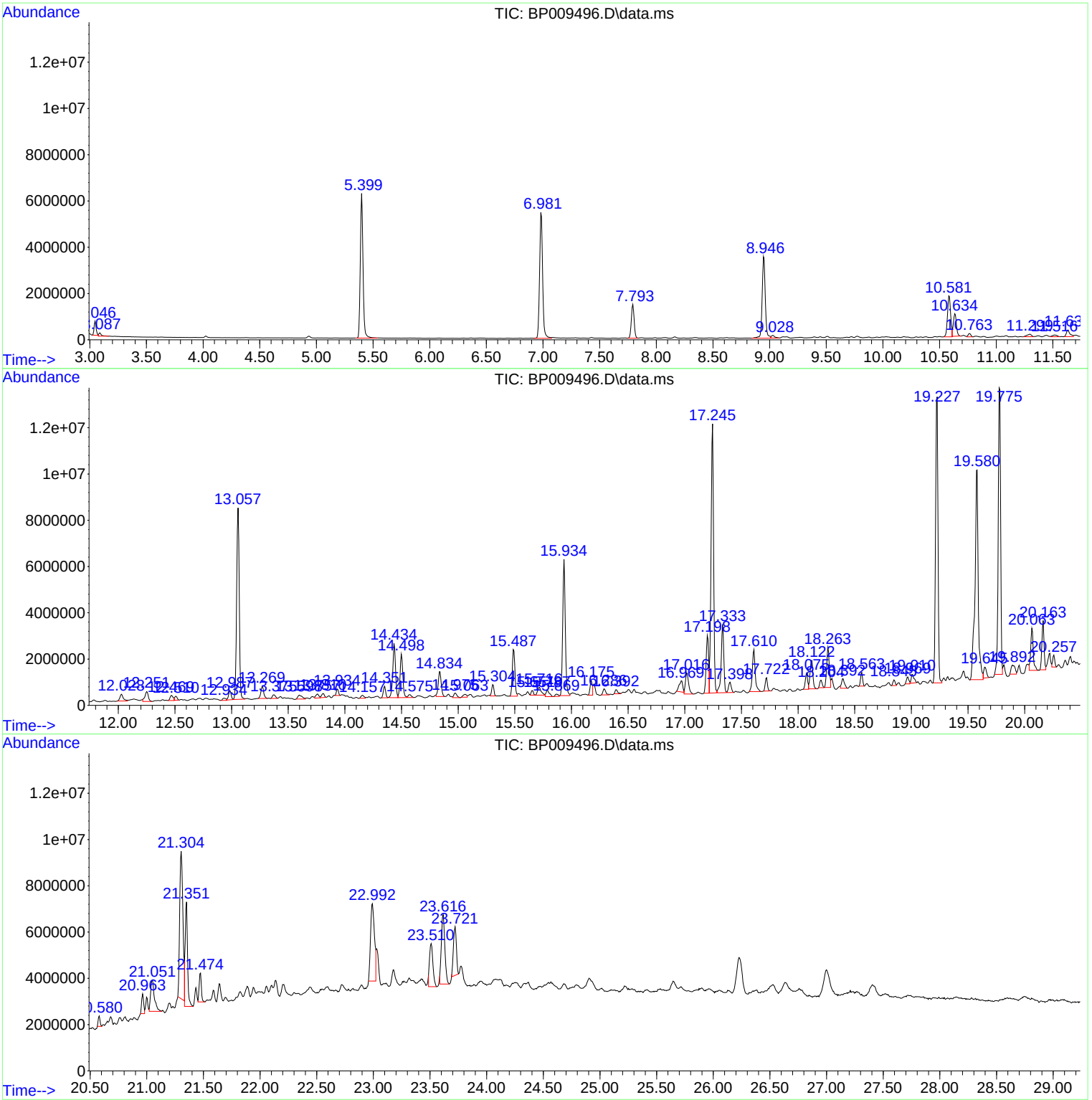
Sample : N2039-01
Misc :
ALS Vial : 17 Sample Multiplier: 1

Instrument :
BNA_P
ClientSampleId :
OK-03-031822

Quant Method : Z:\svoasrv\HPCHEM1\BNA_P\Methods\8270E-BP031722.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\BP032222\
Data File : BP009496.D
Acq On : 22 Mar 2022 19:45
Operator : CG/JU
Sample : N2039-01
Misc :
ALS Vial : 17 Sample Multiplier: 1

Instrument :
BNA_P
ClientSampleId :
OK-03-031822

Quant Method : Z:\svoasrv\HPCHEM1\BNA_P\Methods\8270E-BP031722.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

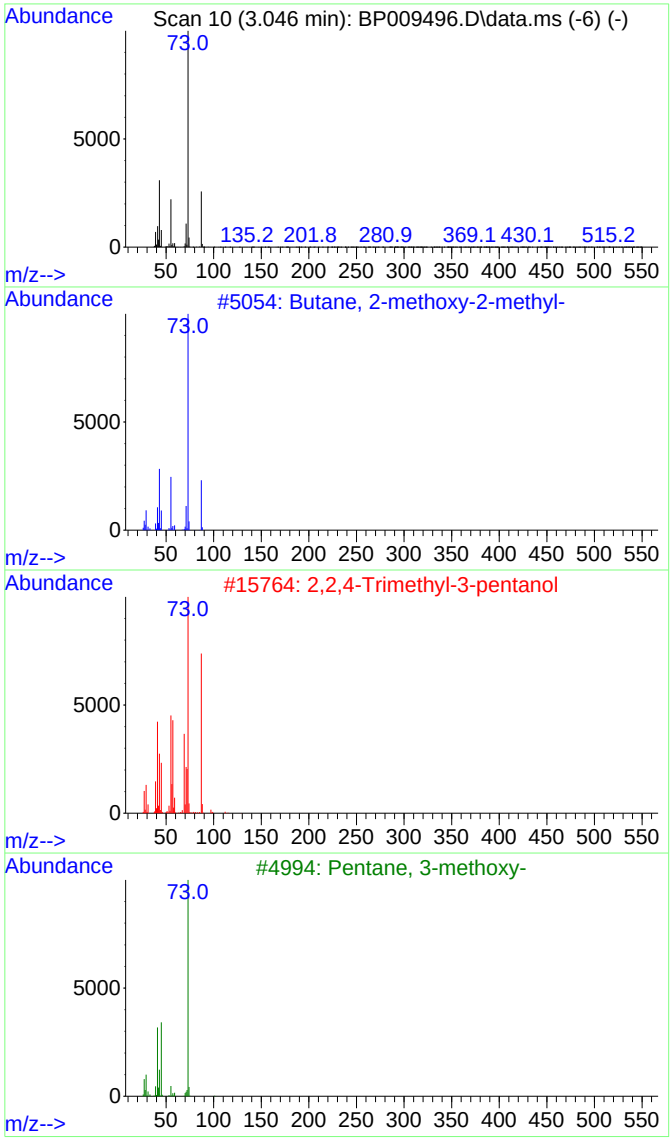
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

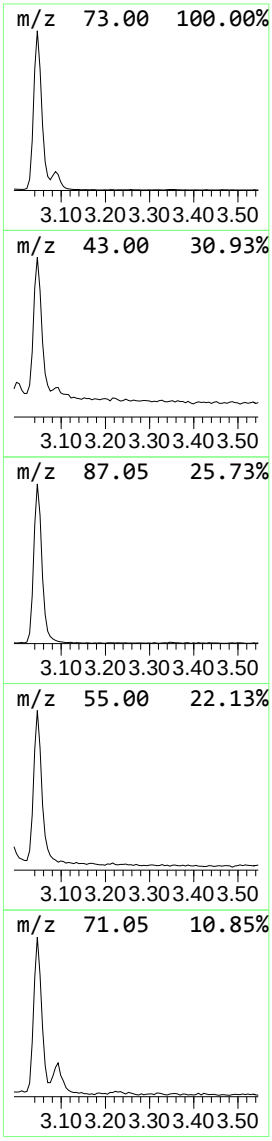
****

Peak Number 1 Butane, 2-methoxy-2-methyl- Concentration Rank 5

R.T.	EstConc	Area	Relative to ISTD	R.T.
3.046	6.05 ng	762666	1,4-Dichlorobenzene-d4	7.793

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Butane, 2-methoxy-2-methyl-	102	C6H14O	000994-05-8	78
2	2,2,4-Trimethyl-3-pentanol	130	C8H18O	005162-48-1	39
3	Pentane, 3-methoxy-	102	C6H14O	036839-67-5	23
4	Acetamide, N-ethyl-	87	C4H9NO	000625-50-3	9
5	N-Ethylformamide	73	C3H7NO	000627-45-2	9





Data Path : Z:\svoasrv\HPCHEM1\BNA_P\Data\BP032222\
Data File : BP009496.D
Acq On : 22 Mar 2022 19:45
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Sample : N2039-01
Misc :
ALS Vial : 17 Sample Multiplier: 1

Instrument :
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ClientSampleId :
OK-03-031822

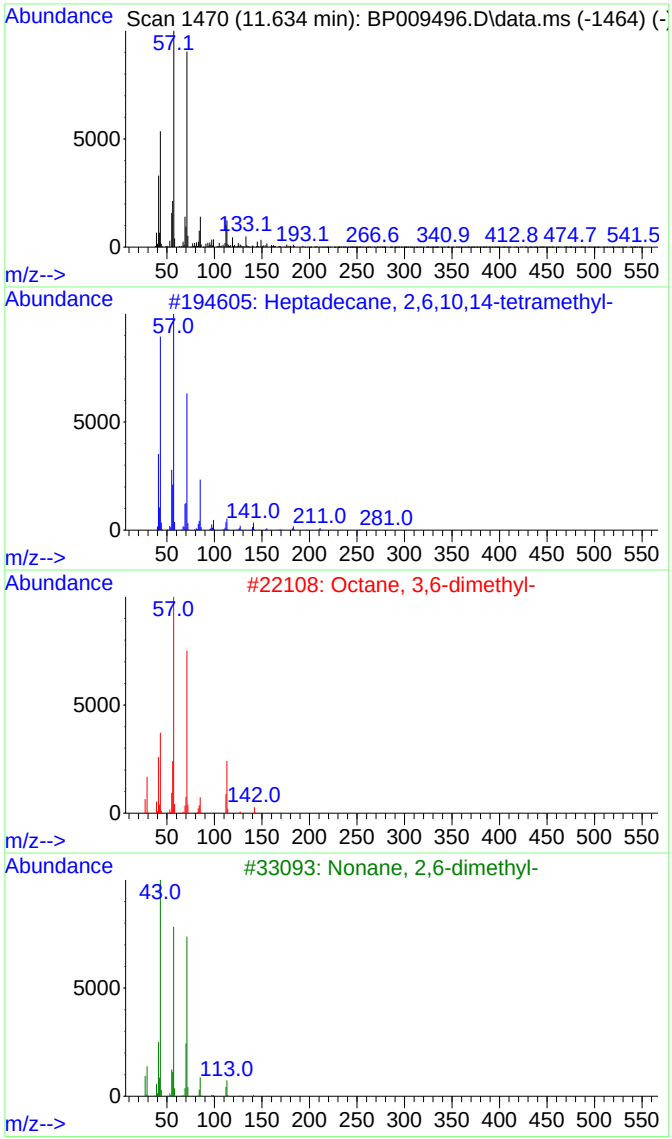
Quant Method : Z:\svoasrv\HPCHEM1\BNA_P\Methods\8270E-BP031722.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

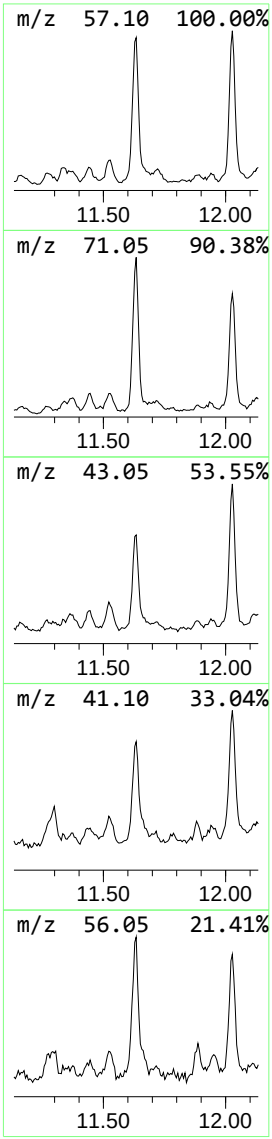
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 2 Heptadecane, 2,6,10,14-tetr... Concentration Rank 20

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.634	3.60 ng	616536	Naphthalene-d8	10.587

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Heptadecane, 2,6,10,14-tetramethyl-	296	C21H44	018344-37-1	81
2	Octane, 3,6-dimethyl-	142	C10H22	015869-94-0	78
3	Nonane, 2,6-dimethyl-	156	C11H24	017302-28-2	72
4	Sulfurous acid, 2-ethylhexyl non...	320	C17H36O3S	1010309-19-2	72
5	Decane, 3,6-dimethyl-	170	C12H26	017312-53-7	64





Data Path : Z:\svoasrv\HPCHEM1\BNA_P\Data\BP032222\
Data File : BP009496.D
Acq On : 22 Mar 2022 19:45
Operator : CG/JU
Sample : N2039-01
Misc :
ALS Vial : 17 Sample Multiplier: 1

Instrument :
BNA_P
ClientSampleId :
OK-03-031822

Quant Method : Z:\svoasrv\HPCHEM1\BNA_P\Methods\8270E-BP031722.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

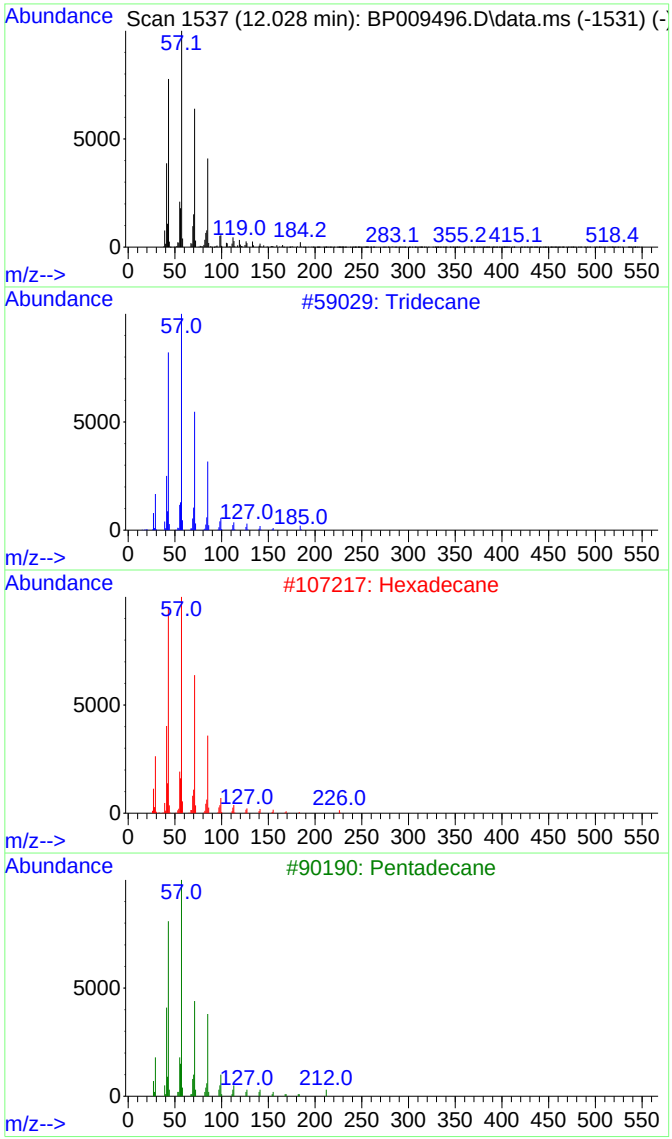
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

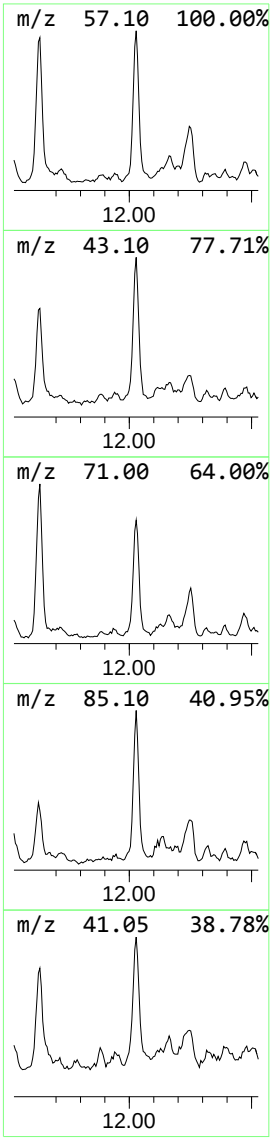
****

Peak Number 3 Tridecane Concentration Rank 19

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.028	3.60 ng	616839	Naphthalene-d8	10.587

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Tridecane	184	C13H28	000629-50-5	90
2	Hexadecane	226	C16H34	000544-76-3	87
3	Pentadecane	212	C15H32	000629-62-9	83
4	Heneicosane	296	C21H44	000629-94-7	83
5	Eicosane, 10-methyl-	296	C21H44	054833-23-7	80





Data Path : Z:\svoasrv\HPCHEM1\BNA_P\Data\BP032222\
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Acq On : 22 Mar 2022 19:45
Operator : CG/JU
Sample : N2039-01
Misc :
ALS Vial : 17 Sample Multiplier: 1

Instrument :
BNA_P
ClientSampleId :
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Quant Method : Z:\svoasrv\HPCHEM1\BNA_P\Methods\8270E-BP031722.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

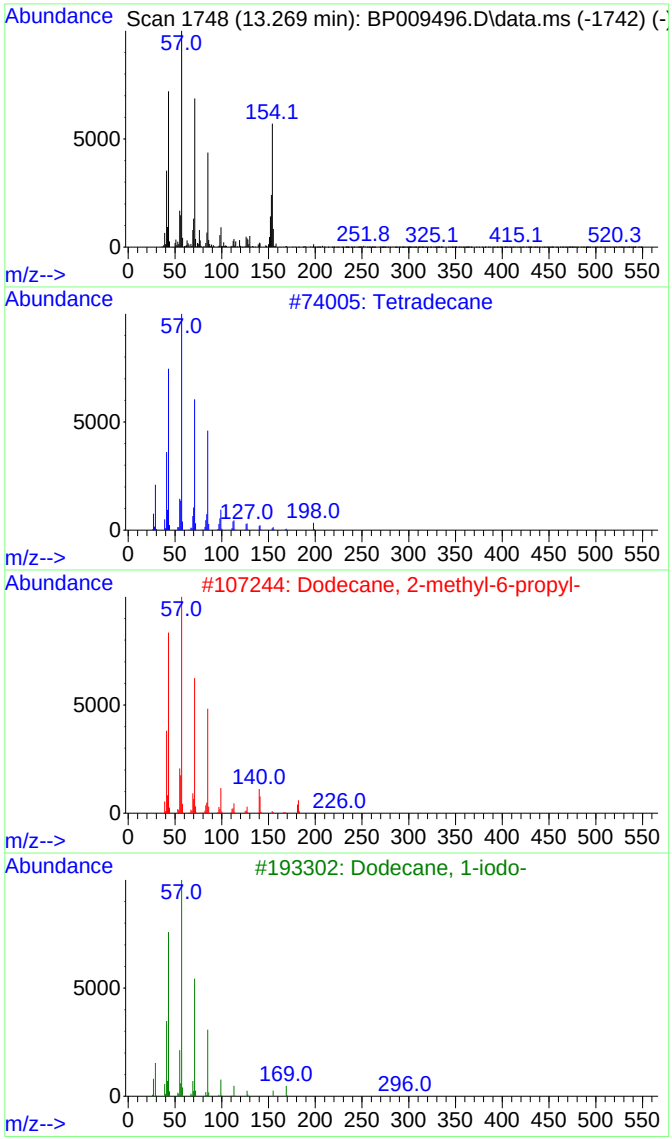
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

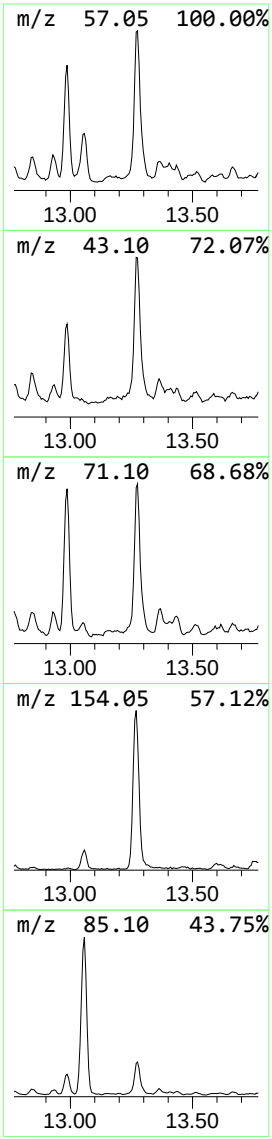
****

Peak Number 4 Tetradecane Concentration Rank 10

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.269	4.64 ng	911686	Acenaphthene-d10	14.434

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Tetradecane	198	C14H30	000629-59-4	90
2	Dodecane, 2-methyl-6-propyl-	226	C16H34	055045-08-4	55
3	Dodecane, 1-iodo-	296	C12H25I	004292-19-7	55
4	Eicosane, 10-methyl-	296	C21H44	054833-23-7	49
5	Nonadecane	268	C19H40	000629-92-5	46





Data Path : Z:\svoasrv\HPCHEM1\BNA_P\Data\BP032222\
Data File : BP009496.D
Acq On : 22 Mar 2022 19:45
Operator : CG/JU
Sample : N2039-01
Misc :
ALS Vial : 17 Sample Multiplier: 1

Instrument :
BNA_P
ClientSampleId :
OK-03-031822

Quant Method : Z:\svoasrv\HPCHEM1\BNA_P\Methods\8270E-BP031722.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

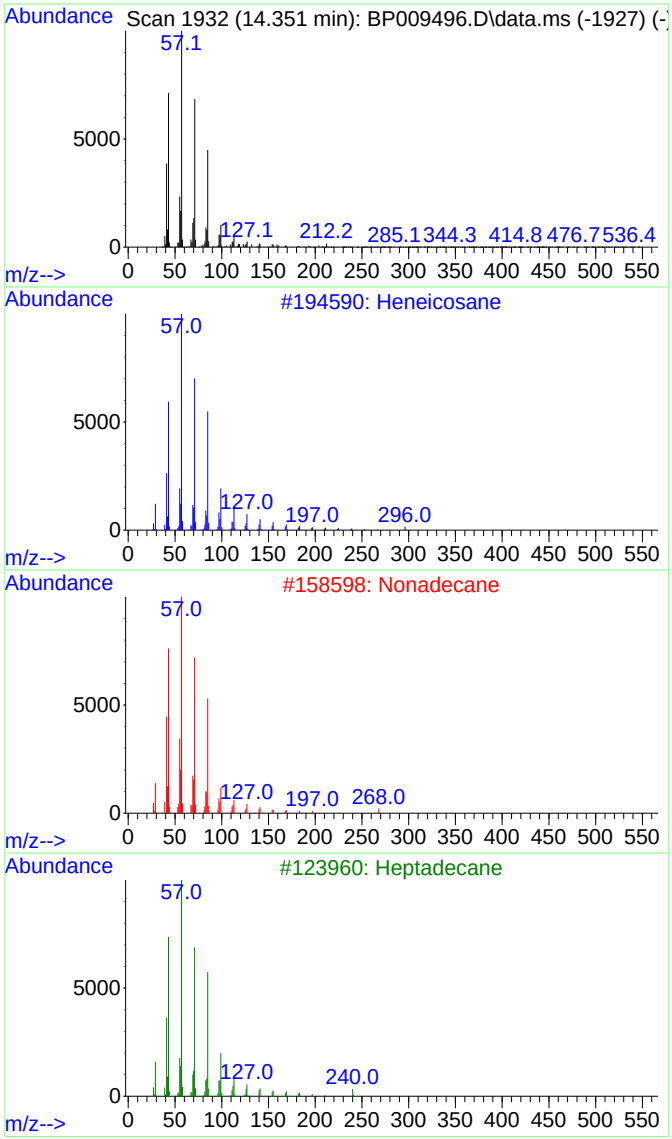
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

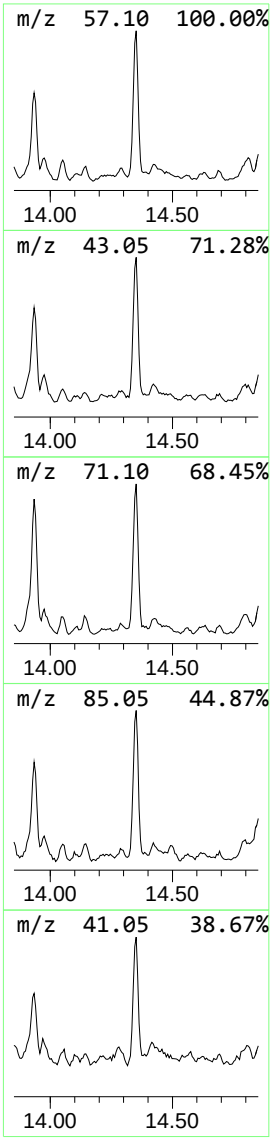
****

Peak Number 5 Heneicosane Concentration Rank 18

R.T.	EstConc	Area	Relative to ISTD	R.T.
14.351	3.60 ng	707728	Acenaphthene-d10	14.434

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Heneicosane	296	C21H44	000629-94-7	90
2	Nonadecane	268	C19H40	000629-92-5	86
3	Heptadecane	240	C17H36	000629-78-7	86
4	Pentadecane	212	C15H32	000629-62-9	83
5	Dodecane, 2,6,10-trimethyl-	212	C15H32	003891-98-3	80





Data Path : Z:\svoasrv\HPCHEM1\BNA_P\Data\BP032222\
Data File : BP009496.D
Acq On : 22 Mar 2022 19:45
Operator : CG/JU
Sample : N2039-01
Misc :
ALS Vial : 17 Sample Multiplier: 1

Instrument :
BNA_P
ClientSampleId :
OK-03-031822

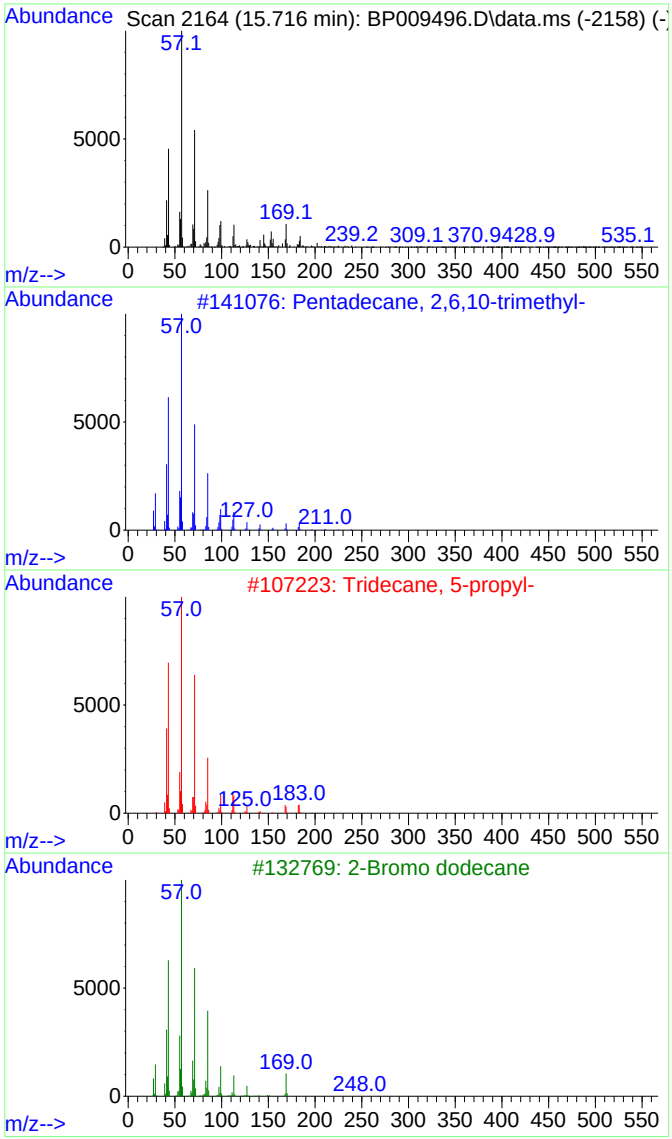
Quant Method : Z:\svoasrv\HPCHEM1\BNA_P\Methods\8270E-BP031722.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

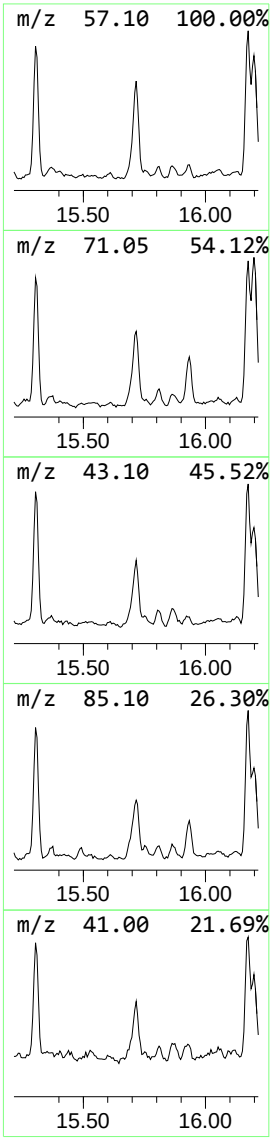
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 6 Pentadecane, 2,6,10-trimethyl- Concentration Rank 14

R.T.	EstConc	Area	Relative to ISTD	R.T.
15.716	3.87 ng	761696	Acenaphthene-d10	14.434

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Pentadecane, 2,6,10-trimethyl-	254	C18H38	003892-00-0	96
2	Tridecane, 5-propyl-	226	C16H34	055045-11-9	81
3	2-Bromo dodecane	248	C12H25Br	013187-99-0	68
4	Heptacosane	380	C27H56	000593-49-7	64
5	Hexadecane	226	C16H34	000544-76-3	58





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Acq On : 22 Mar 2022 19:45
Operator : CG/JU
Sample : N2039-01
Misc :
ALS Vial : 17 Sample Multiplier: 1

Instrument :
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ClientSampleId :
OK-03-031822

Quant Method : Z:\svoasrv\HPCHEM1\BNA_P\Methods\8270E-BP031722.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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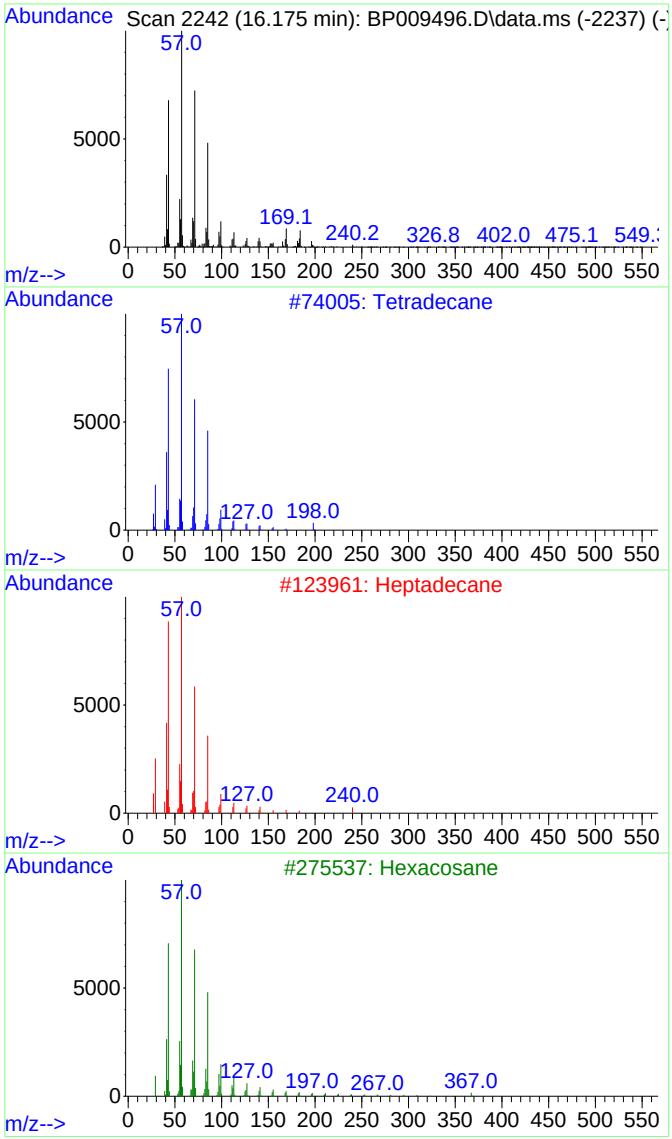
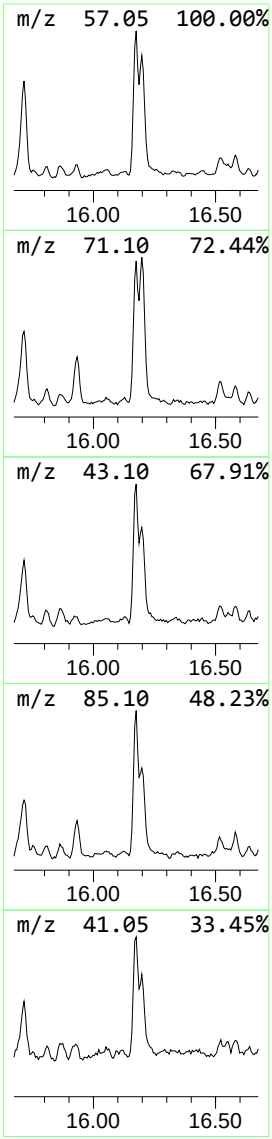
Peak Number 7 Heptadecane Concentration Rank 9

R.T.	EstConc	Area	Relative to ISTD	R.T.
16.175	4.65 ng	907604	Phenanthrene-d10	17.198

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Tetradecane	198	C14H30	000629-59-4	93
2	Heptadecane	240	C17H36	000629-78-7	87
3	Hexacosane	366	C26H54	000630-01-3	83
4	Octadecane	254	C18H38	000593-45-3	83
5	Nonadecane, 9-methyl-	282	C20H42	013287-24-6	83





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ClientSampleId :
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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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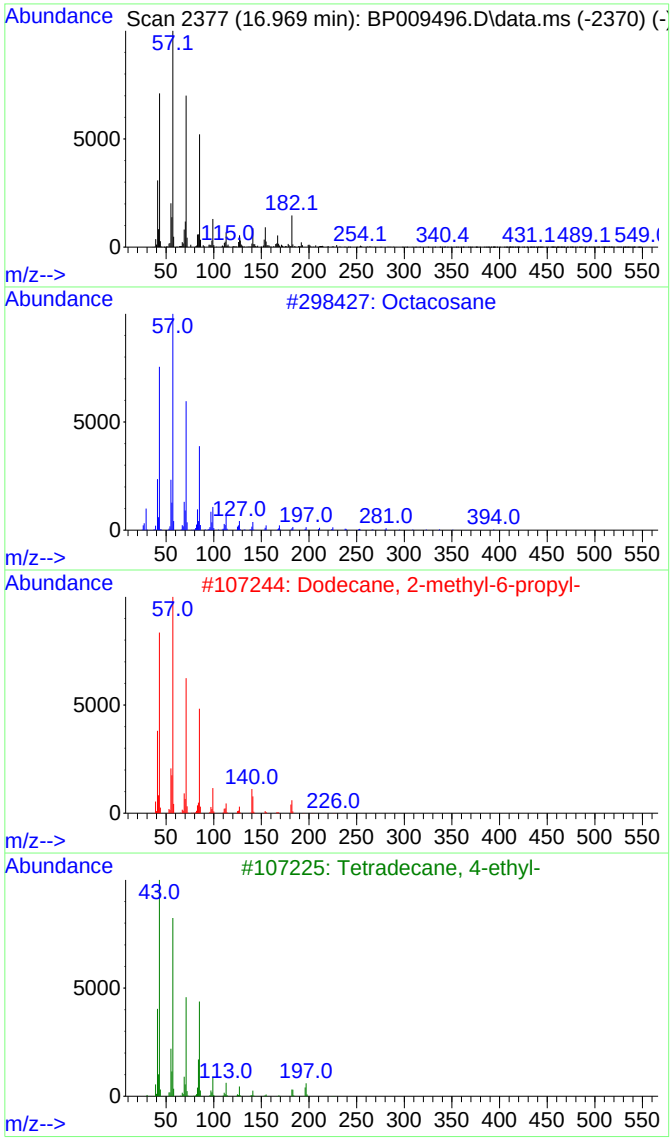
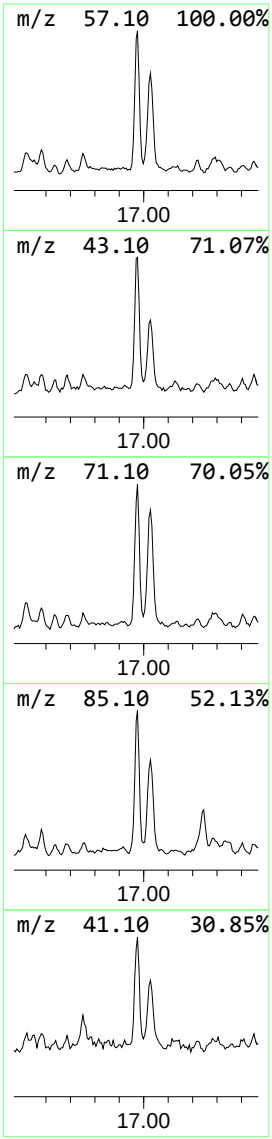
Peak Number 8 Octacosane Concentration Rank 6

R.T.	EstConc	Area	Relative to ISTD	R.T.
16.969	5.32 ng	1038460	Phenanthrene-d10	17.198

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Octacosane	394	C28H58	000630-02-4	76
2	Dodecane, 2-methyl-6-propyl-	226	C16H34	055045-08-4	74
3	Tetradecane, 4-ethyl-	226	C16H34	055045-14-2	74
4	Pentadecane	212	C15H32	000629-62-9	64
5	Tetradecane, 1-iodo-	324	C14H29I	019218-94-1	64





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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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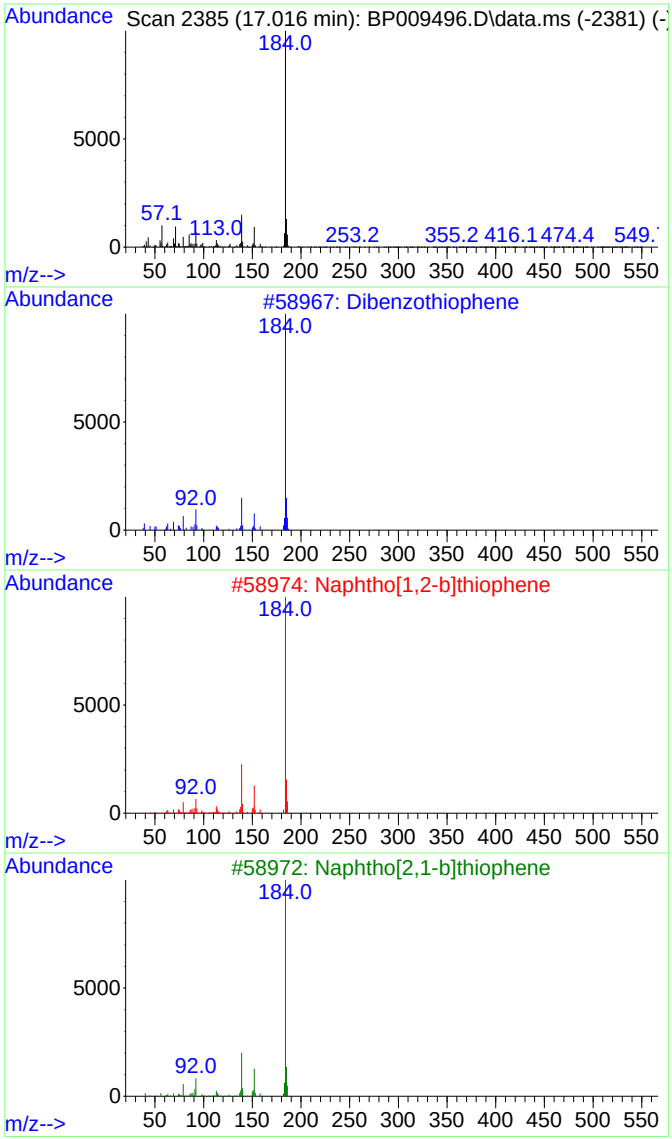
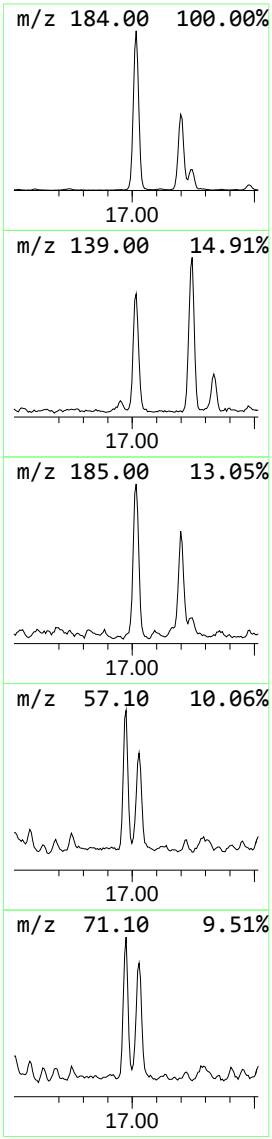
Peak Number 9 Dibenzothiophene Concentration Rank 4

R.T.	EstConc	Area	Relative to ISTD	R.T.
17.016	9.09 ng	1773010	Phenanthrene-d10	17.198

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Dibenzothiophene	184	C12H8S	000132-65-0	96
2	Naphtho[1,2-b]thiophene	184	C12H8S	000234-41-3	93
3	Naphtho[2,1-b]thiophene	184	C12H8S	000233-02-3	93
4	Naphtho[2,3-b]thiophene	184	C12H8S	000268-77-9	91
5	Azuleno(2,1-b)thiophene	184	C12H8S	000248-13-5	87





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Operator : CG/JU
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Misc :
ALS Vial : 17 Sample Multiplier: 1

Instrument :
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ClientSampleId :
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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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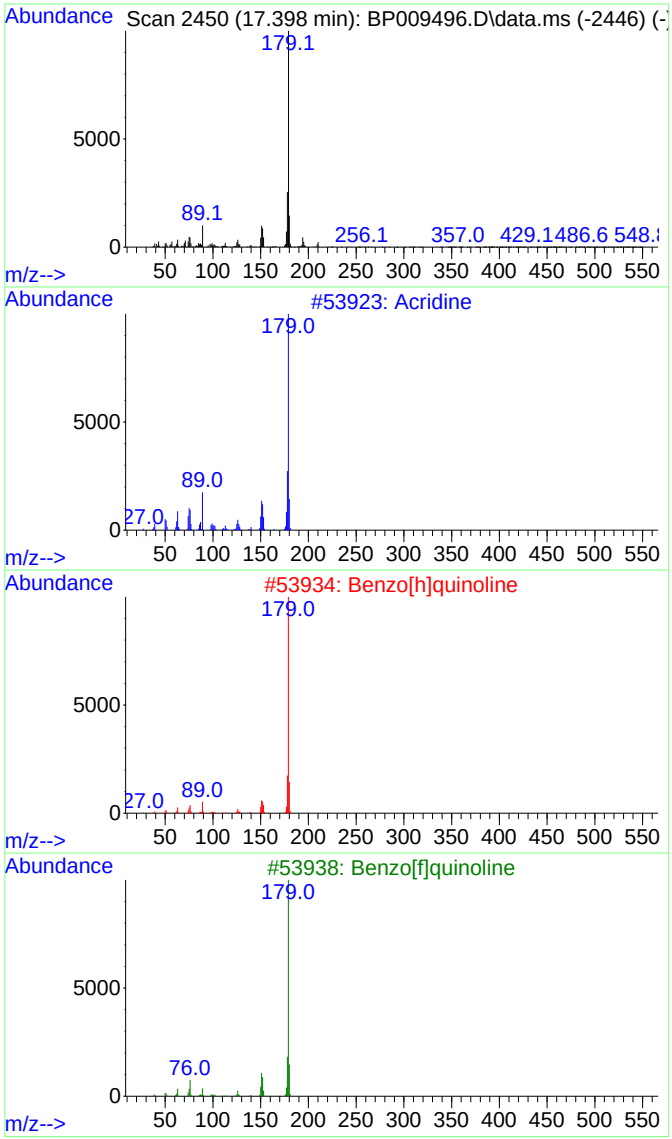
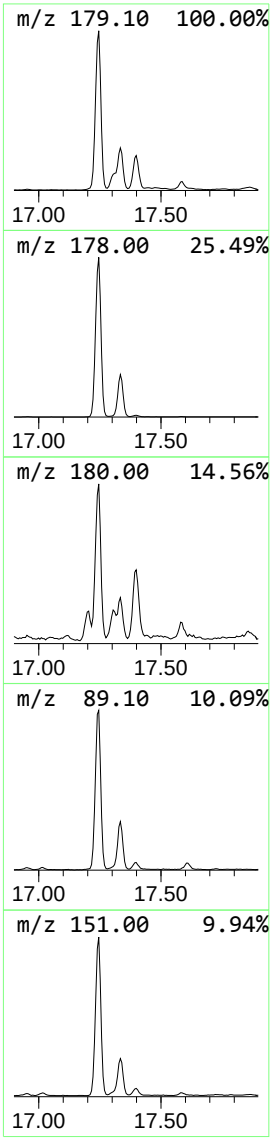
Peak Number 10 Acridine Concentration Rank 16

R.T.	EstConc	Area	Relative to ISTD	R.T.
17.398	3.73 ng	728649	Phenanthrene-d10	17.198

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Acridine	179	C13H9N	000260-94-6	97
2	Benzo[h]quinoline	179	C13H9N	000230-27-3	94
3	Benzo[f]quinoline	179	C13H9N	000085-02-9	93
4	Phenanthridine	179	C13H9N	000229-87-8	91
5	p-Phenylbenzonitrile	179	C13H9N	002920-38-9	90





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ClientSampleId :
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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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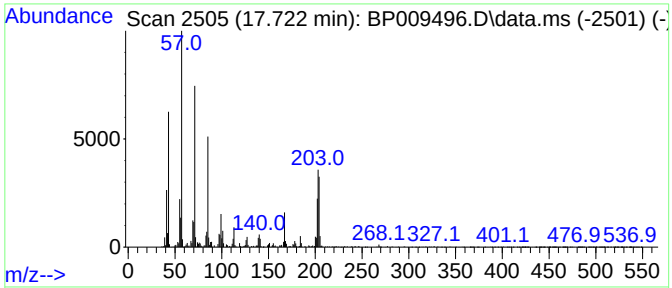
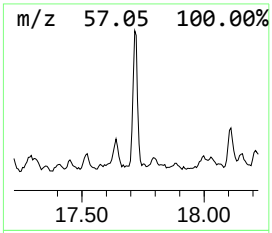
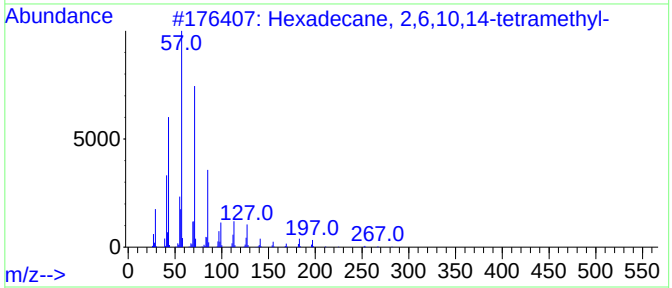
Peak Number 11 Hexadecane, 2,6,10,14-tetra... Concentration Rank 13

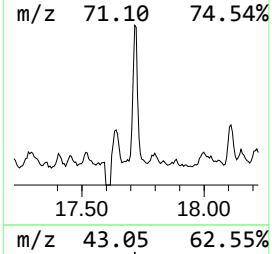
R.T.	EstConc	Area	Relative to ISTD	R.T.
17.722	3.92 ng	765313	Phenanthrene-d10	17.198

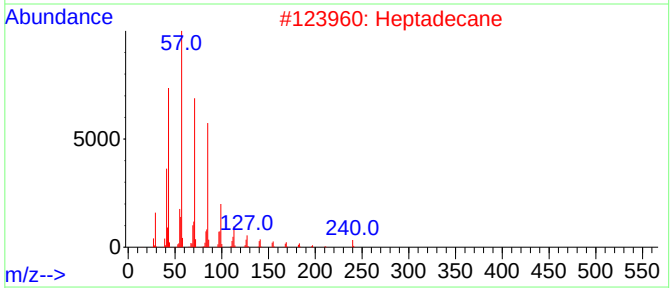
Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Hexadecane, 2,6,10,14-tetramethyl-	282	C20H42	000638-36-8	78
2	Heptadecane	240	C17H36	000629-78-7	64
3	Tetracosane	338	C24H50	000646-31-1	58
4	Heneicosane	296	C21H44	000629-94-7	58
5	Decane, 1-iodo-	268	C10H21I	002050-77-3	53

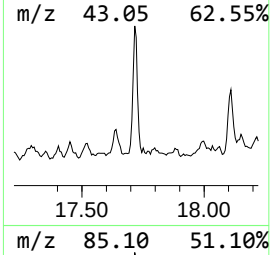


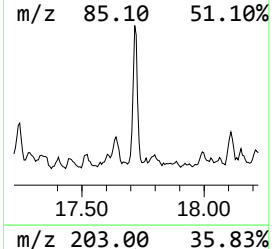


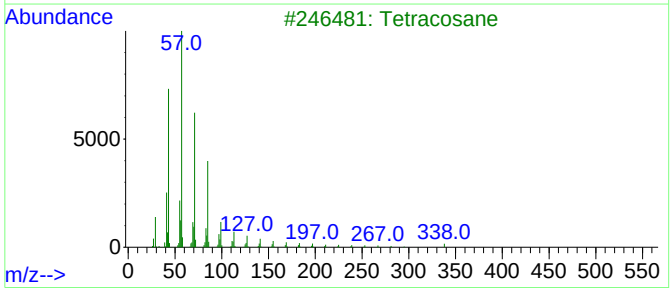


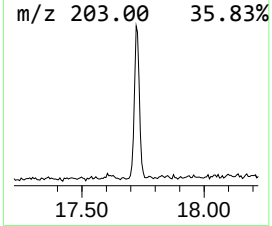












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Operator : CG/JU
Sample : N2039-01
Misc :
ALS Vial : 17 Sample Multiplier: 1

Instrument :
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ClientSampleId :
OK-03-031822

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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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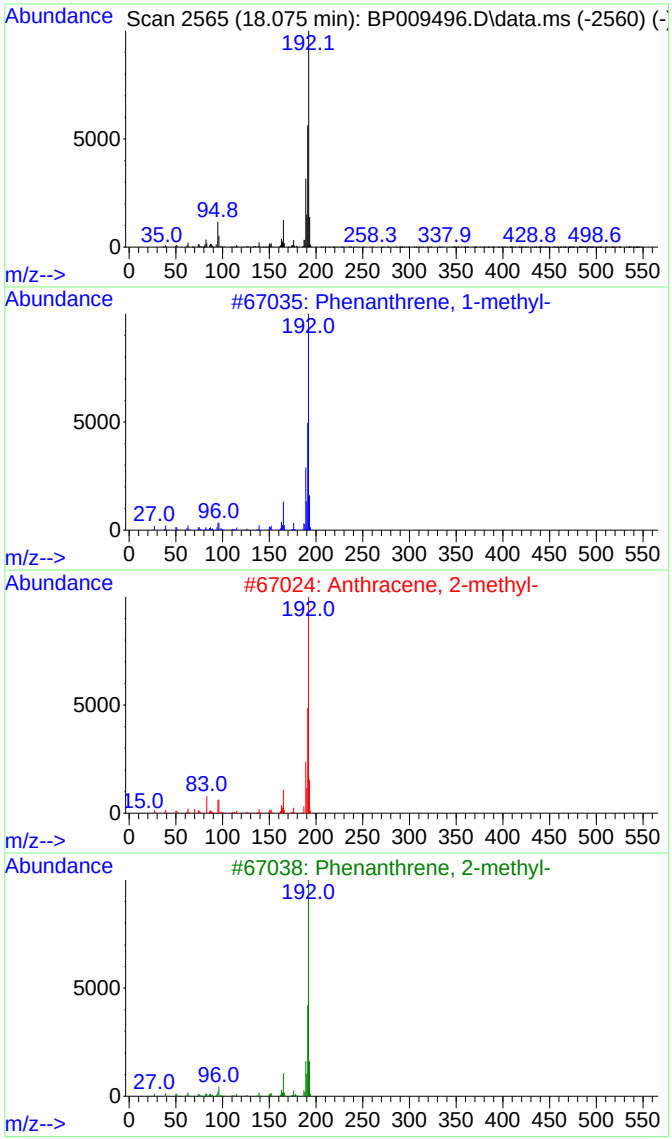
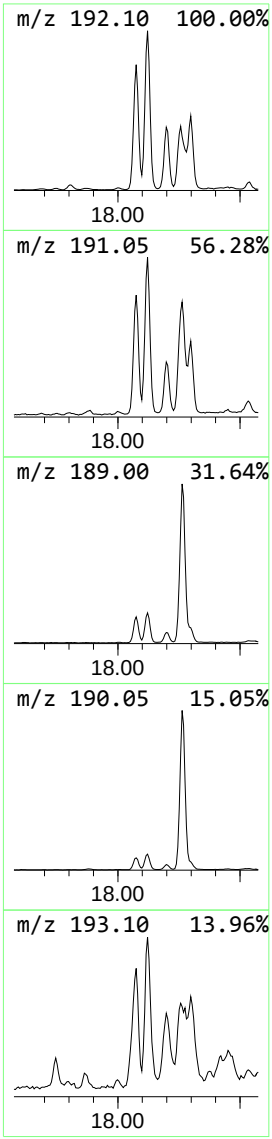
Peak Number 12 Phenanthrene, 1-methyl- Concentration Rank 7

R.T.	EstConc	Area	Relative to ISTD	R.T.
18.075	5.20 ng	1014300	Phenanthrene-d10	17.198

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Phenanthrene, 1-methyl-	192	C15H12	000832-69-9	97
2	Anthracene, 2-methyl-	192	C15H12	000613-12-7	96
3	Phenanthrene, 2-methyl-	192	C15H12	002531-84-2	96
4	1H-Indene, 2-phenyl-	192	C15H12	004505-48-0	95
5	1H-Cyclopropa[l]phenanthrene,1a,...	192	C15H12	000949-41-7	95





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Misc :
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ClientSampleId :
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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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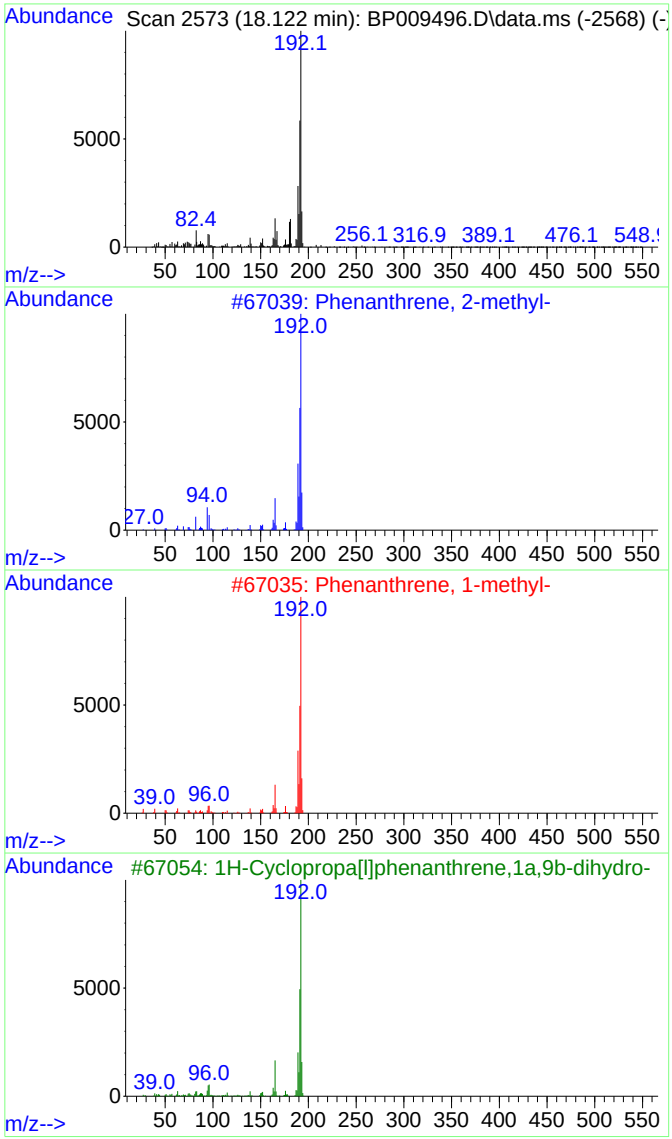
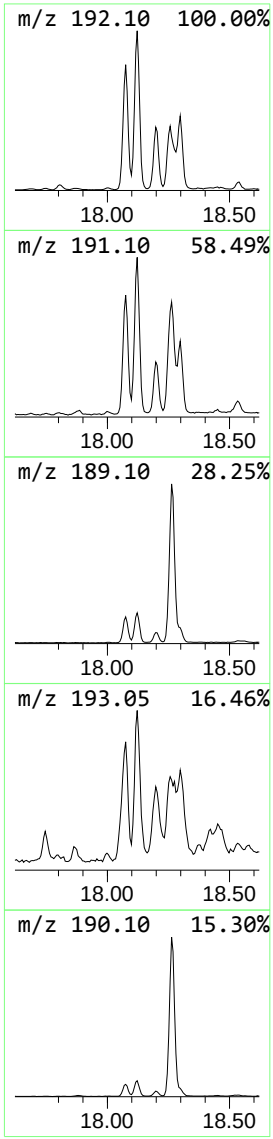
Peak Number 13 Phenanthrene, 2-methyl- Concentration Rank 3

R.T.	EstConc	Area	Relative to ISTD	R.T.
18.122	10.75 ng	2097090	Phenanthrene-d10	17.198

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Phenanthrene, 2-methyl-	192	C15H12	002531-84-2	97
2	Phenanthrene, 1-methyl-	192	C15H12	000832-69-9	97
3	1H-Cyclopropa[l]phenanthrene,1a,...	192	C15H12	000949-41-7	96
4	Anthracene, 2-methyl-	192	C15H12	000613-12-7	95
5	Anthracene, 1-methyl-	192	C15H12	000610-48-0	94





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Instrument :
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ClientSampleId :
OK-03-031822

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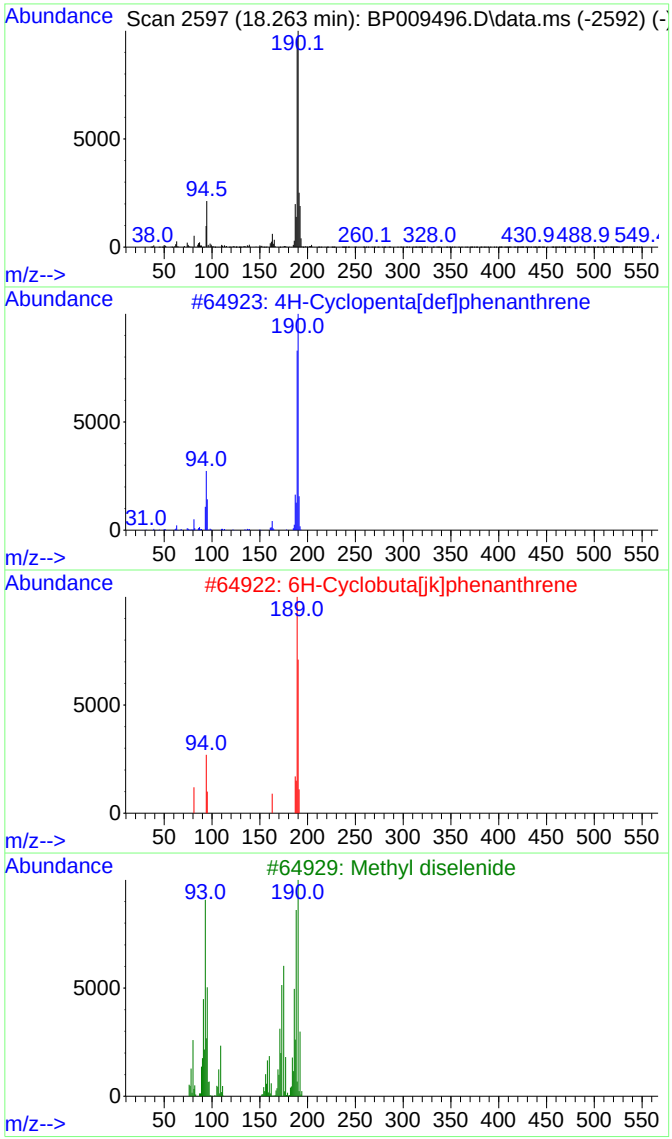
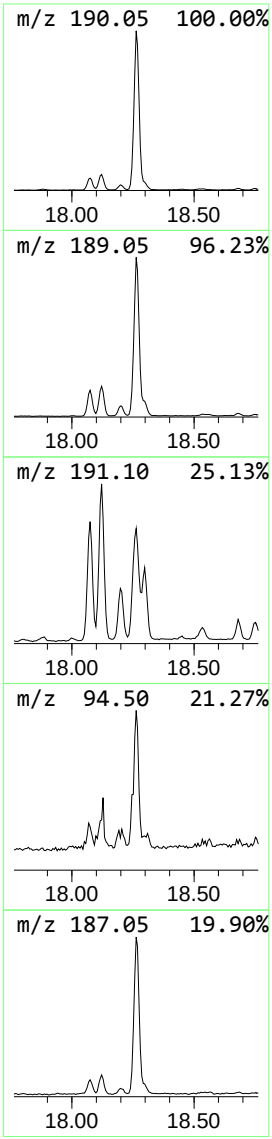
Peak Number 14 4H-Cyclopenta[def]phenanthrene Concentration Rank 2

R.T.	EstConc	Area	Relative to ISTD	R.T.
18.263	14.12 ng	2754890	Phenanthrene-d10	17.198

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	4H-Cyclopenta[def]phenanthrene	190	C15H10	000203-64-5	94
2	6H-Cyclobuta[jk]phenanthrene	190	C15H10	083469-43-6	56
3	Methyl diselenide	190	C2H6Se2	007101-31-7	45
4	2,2'-Bis(4,5-dimethylimidazole)	190	C10H14N4	069286-06-2	45
5	1,4-Naphthalenedione, 2,5-dihydr...	190	C10H6O4	004923-55-1	25





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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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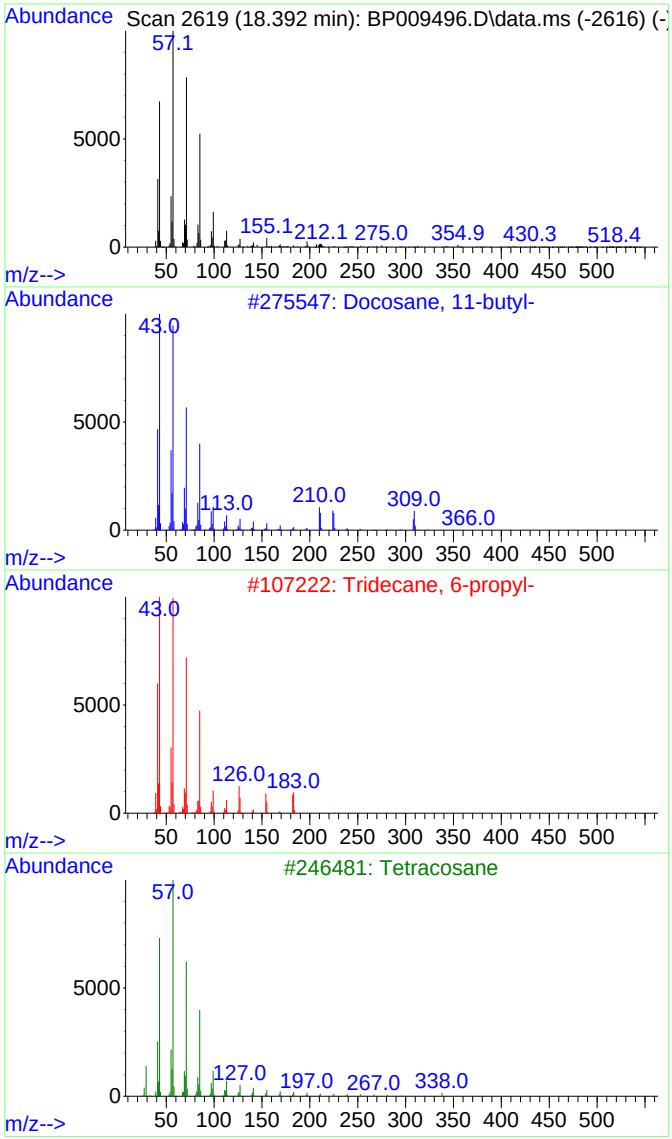
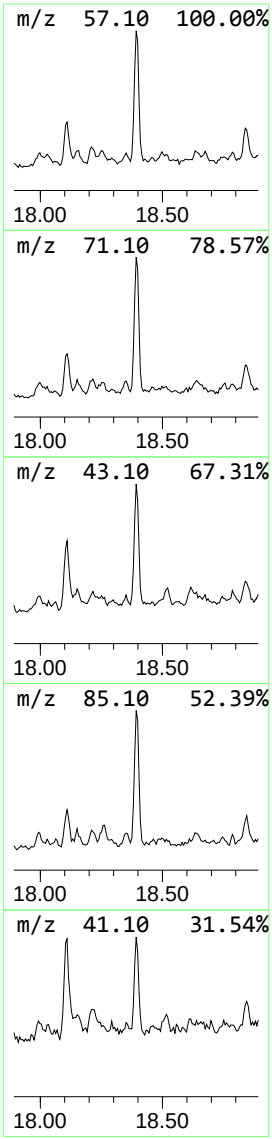
Peak Number 15 Docosane, 11-butyl- Concentration Rank 17

R.T.	EstConc	Area	Relative to ISTD	R.T.
18.392	3.68 ng	717087	Phenanthrene-d10	17.198

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Docosane, 11-butyl-	366	C26H54	013475-76-8	87
2	Tridecane, 6-propyl-	226	C16H34	055045-10-8	86
3	Tetracosane	338	C24H50	000646-31-1	86
4	Tetradecane	198	C14H30	000629-59-4	86
5	Tridecane, 7-propyl-	226	C16H34	055045-09-5	86





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ClientSampleId :
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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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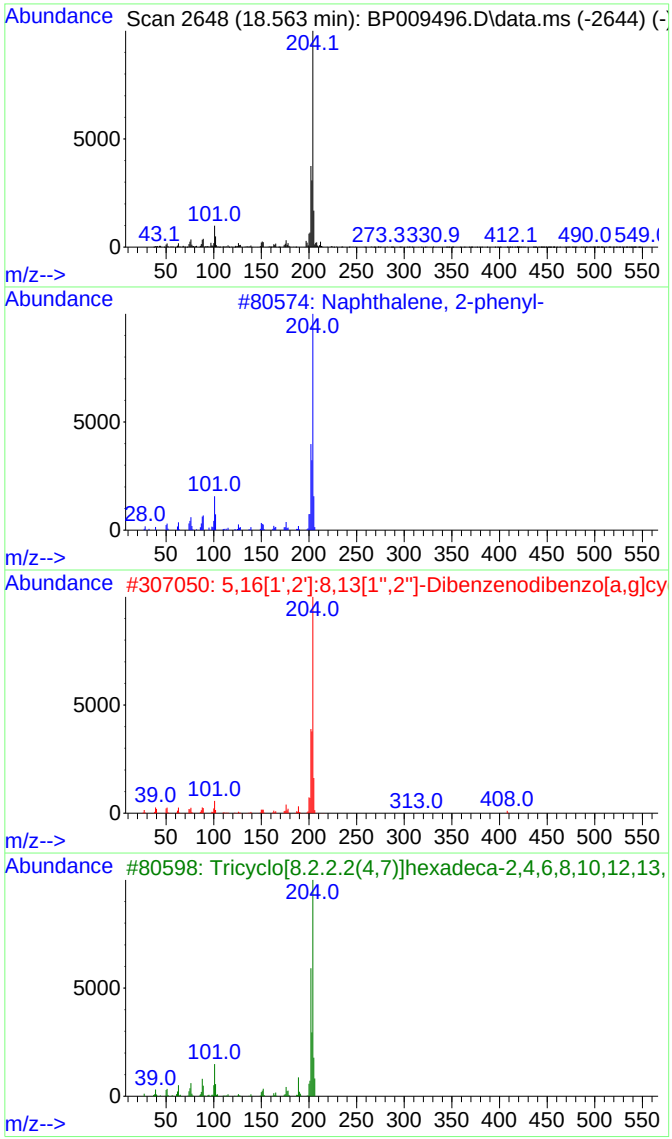
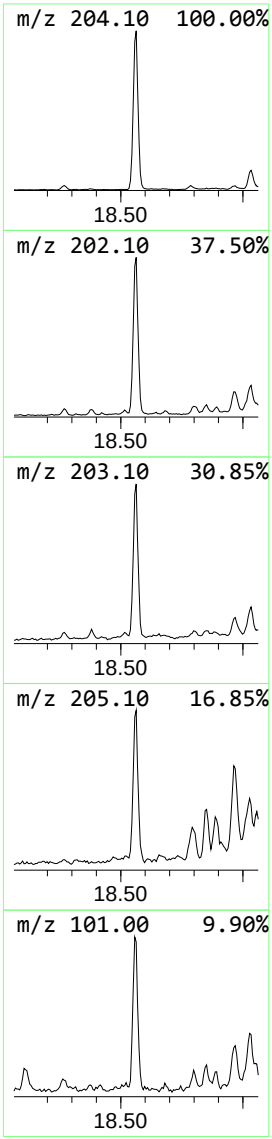
Peak Number 16 Naphthalene, 2-phenyl- Concentration Rank 15

R.T.	EstConc	Area	Relative to ISTD	R.T.
18.563	3.78 ng	738161	Phenanthrene-d10	17.198

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Naphthalene, 2-phenyl-	204	C16H12	000612-94-2	95
2	5,16[1',2']:8,13[1'',2'']-Dibenz...	408	C32H24	005672-97-9	91
3	Tricyclo[8.2.2.2(4,7)]hexadeca-2...	204	C16H12	006572-60-7	72
4	Naphthalene, 1-phenyl-	204	C16H12	000605-02-7	64
5	Pyrazol-5-ol, 3-(3,4-methylenedi...	204	C10H8N2O3	1000271-76-1	58





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Data File : BP009496.D
Acq On : 22 Mar 2022 19:45
Operator : CG/JU
Sample : N2039-01
Misc :
ALS Vial : 17 Sample Multiplier: 1

Instrument :
BNA_P
ClientSampleId :
OK-03-031822

Quant Method : Z:\svoasrv\HPCHEM1\BNA_P\Methods\8270E-BP031722.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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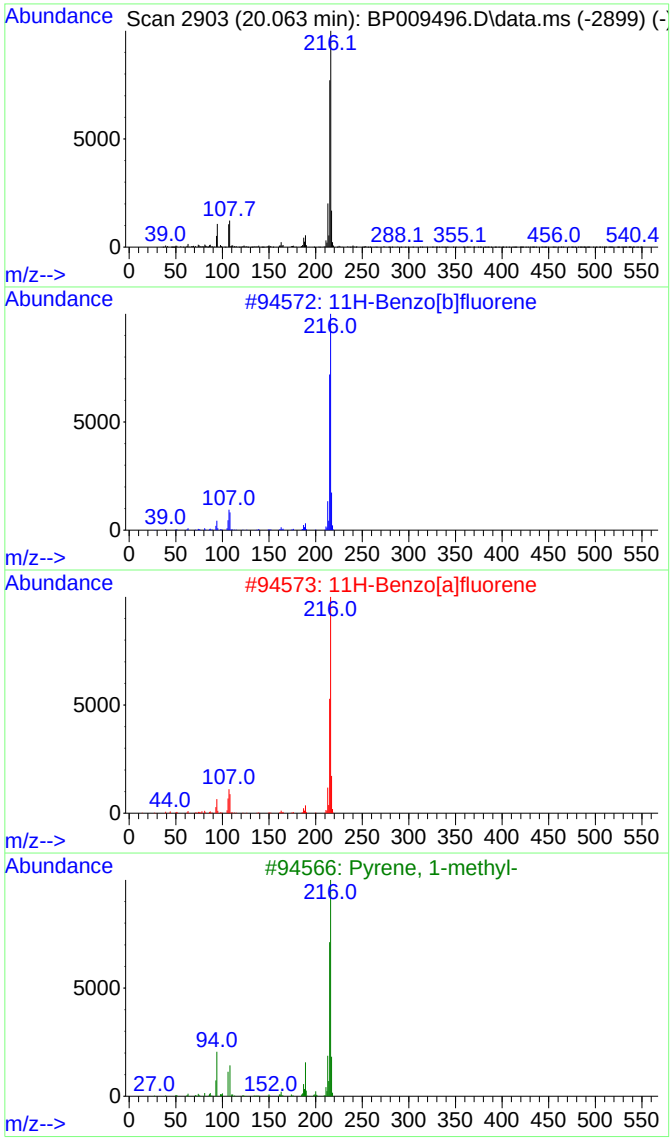
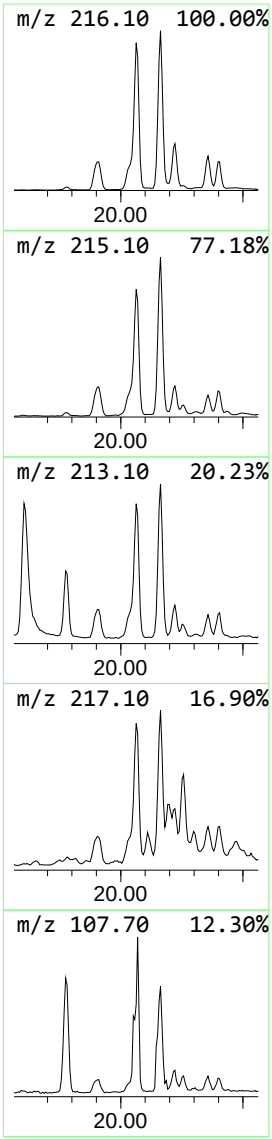
Peak Number 17 11H-Benzo[b]fluorene Concentration Rank 12

R.T.	EstConc	Area	Relative to ISTD	R.T.
20.063	4.27 ng	2761310	Chrysene-d12	21.316

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	11H-Benzo[b]fluorene	216	C17H12	000243-17-4	95
2	11H-Benzo[a]fluorene	216	C17H12	000238-84-6	94
3	Pyrene, 1-methyl-	216	C17H12	002381-21-7	93
4	Fluoranthene, 2-methyl-	216	C17H12	033543-31-6	90
5	7H-Benzo[c]fluorene	216	C17H12	000205-12-9	64





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Sample : N2039-01
Misc :
ALS Vial : 17 Sample Multiplier: 1

Instrument :
BNA_P
ClientSampleId :
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Quant Method : Z:\svoasrv\HPCHEM1\BNA_P\Methods\8270E-BP031722.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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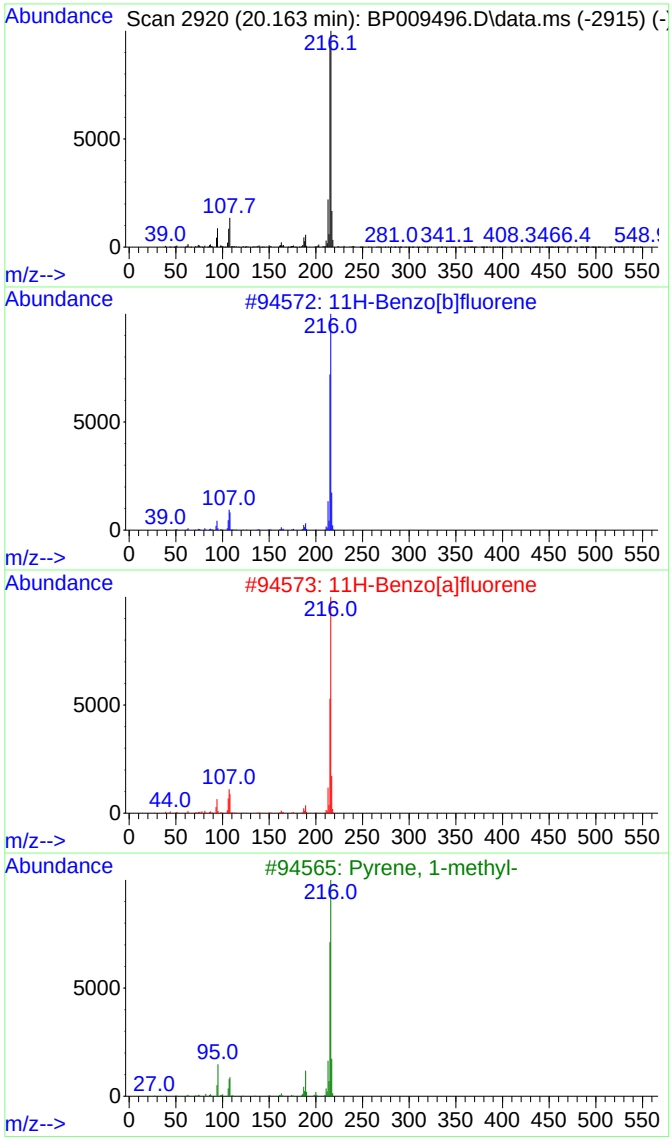
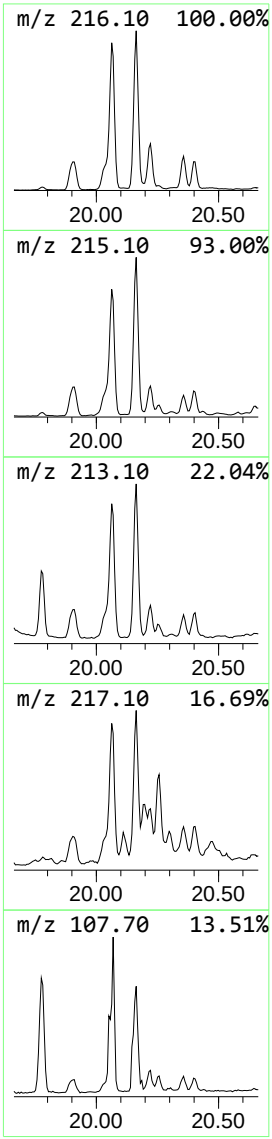
Peak Number 18 11H-Benzo[a]fluorene Concentration Rank 11

R.T.	EstConc	Area	Relative to ISTD	R.T.
20.163	4.33 ng	2803500	Chrysene-d12	21.316

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	11H-Benzo[b]fluorene	216	C17H12	000243-17-4	96
2	11H-Benzo[a]fluorene	216	C17H12	000238-84-6	93
3	Pyrene, 1-methyl-	216	C17H12	002381-21-7	76
4	Fluoranthene, 2-methyl-	216	C17H12	033543-31-6	70
5	Pyrene, 4-methyl-	216	C17H12	003353-12-6	64





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Data File : BP009496.D
Acq On : 22 Mar 2022 19:45
Operator : CG/JU
Sample : N2039-01
Misc :
ALS Vial : 17 Sample Multiplier: 1

Instrument :
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ClientSampleId :
OK-03-031822

Quant Method : Z:\svoasrv\HPCHEM1\BNA_P\Methods\8270E-BP031722.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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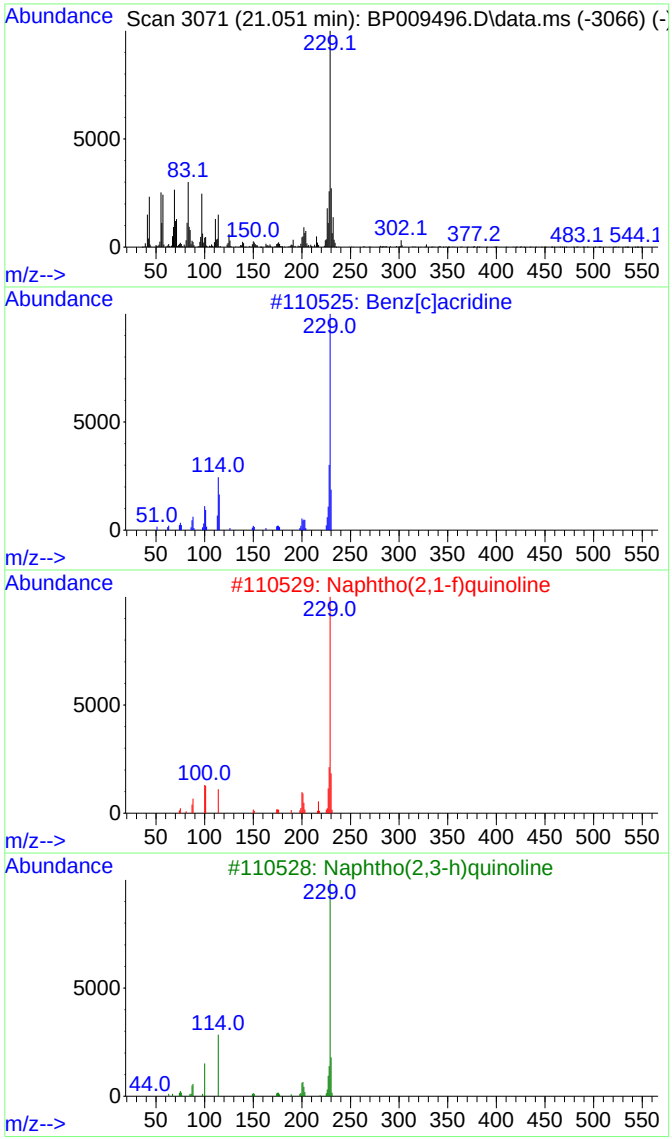
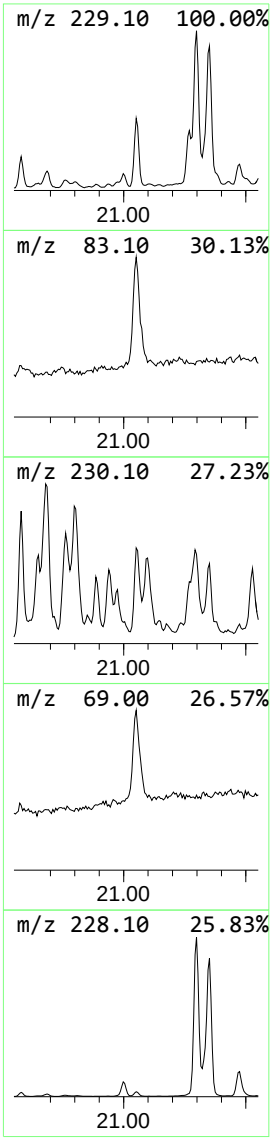
Peak Number 19 Benz[c]acridine Concentration Rank 8

R.T.	EstConc	Area	Relative to ISTD	R.T.
21.051	4.82 ng	3120420	Chrysene-d12	21.316

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benz[c]acridine	229	C17H11N	000225-51-4	70
2	Naphtho(2,1-f)quinoline	229	C17H11N	000218-08-6	53
3	Naphtho(2,3-h)quinoline	229	C17H11N	000084-56-0	47
4	Benzimidazole-5-amine, 1-methyl-...	229	C12H11N3S	021444-73-5	47
5	Pyridine-3-carbonitrile, 4-methy...	230	C12H10N2OS	1000264-04-1	43





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Operator : CG/JU
Sample : N2039-01
Misc :
ALS Vial : 17 Sample Multiplier: 1

Instrument :
BNA_P
ClientSampleId :
OK-03-031822

Quant Method : Z:\svoasrv\HPCHEM1\BNA_P\Methods\8270E-BP031722.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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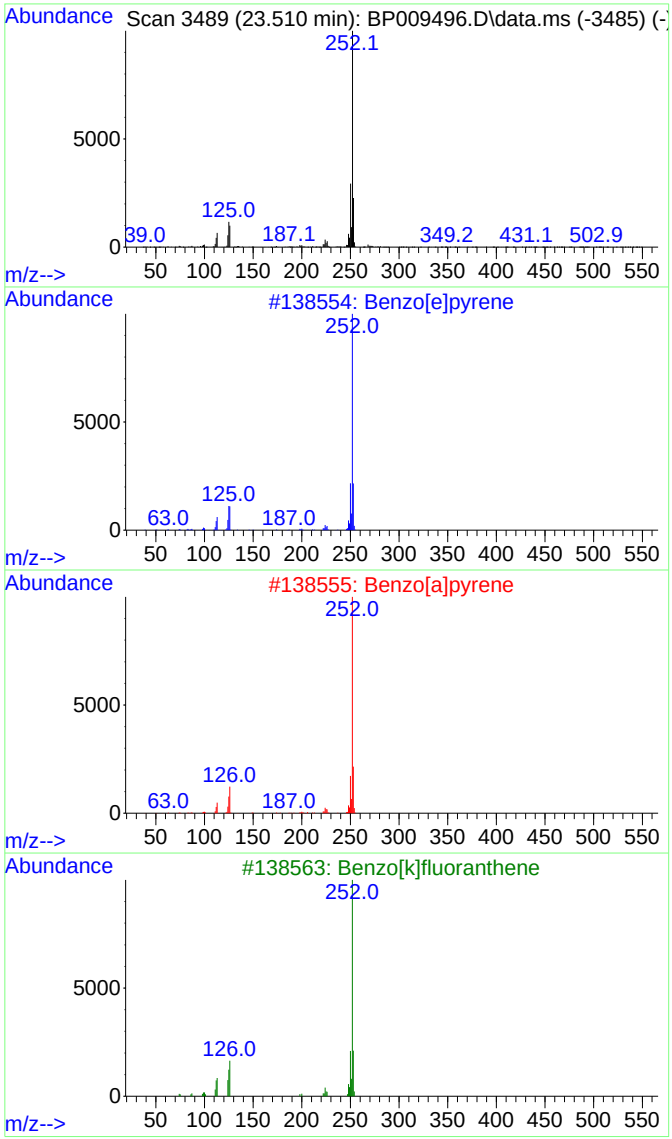
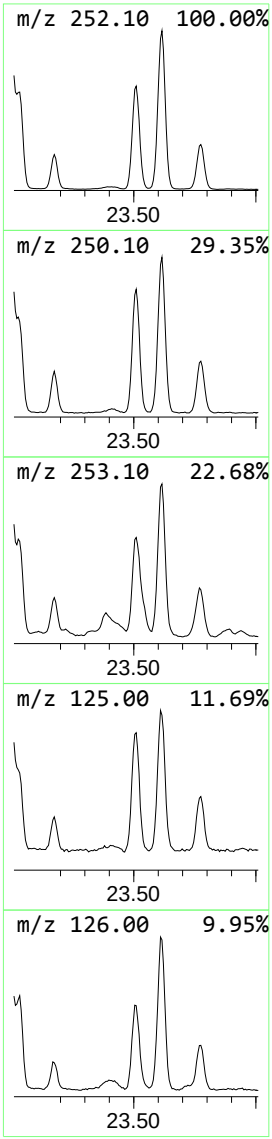
Peak Number 20 Benzo[e]pyrene Concentration Rank 1

R.T.	EstConc	Area	Relative to ISTD	R.T.
23.510	19.97 ng	3849750	Perylene-d12	23.721

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	96
3	Benzo[k]fluoranthene	252	C20H12	000207-08-9	96
4	Benzo[j]fluoranthene	252	C20H12	000205-82-3	95
5	Benzo[b]fluoranthene	252	C20H12	000205-99-2	95





Tentatively Identified Compound (LSC) summary

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Data File : BP009496.D
Acq On : 22 Mar 2022 19:45
Operator : CG/JU
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Misc :
ALS Vial : 17 Sample Multiplier: 1

Instrument :
BNA_P
ClientSampleId :
OK-03-031822

Quant Method : Z:\svoasrv\HPCHEM1\BNA_P\Methods\8270E-BP031722.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
Butane, 2-metho...	3.046	6.0	ng	762666	1	7.793	2519550	20.0
Heptadecane, 2,...	11.634	3.6	ng	616536	2	10.587	3429760	20.0
Tridecane	12.028	3.6	ng	616839	2	10.587	3429760	20.0
Tetradecane	13.269	4.6	ng	911686	3	14.434	3932210	20.0
Heneicosane	14.351	3.6	ng	707728	3	14.434	3932210	20.0
Pentadecane, 2,...	15.716	3.9	ng	761696	3	14.434	3932210	20.0
Heptadecane	16.175	4.7	ng	907604	4	17.198	3901980	20.0
Octacosane	16.969	5.3	ng	1038460	4	17.198	3901980	20.0
Dibenzothiophene	17.016	9.1	ng	1773010	4	17.198	3901980	20.0
Acridine	17.398	3.7	ng	728649	4	17.198	3901980	20.0
Hexadecane, 2,6...	17.722	3.9	ng	765313	4	17.198	3901980	20.0
Phenanthrene, 1...	18.075	5.2	ng	1014300	4	17.198	3901980	20.0
Phenanthrene, 2...	18.122	10.8	ng	2097090	4	17.198	3901980	20.0
4H-Cyclopenta[d...	18.263	14.1	ng	2754890	4	17.198	3901980	20.0
Docosane, 11-bu...	18.392	3.7	ng	717087	4	17.198	3901980	20.0
Naphthalene, 2-...	18.563	3.8	ng	738161	4	17.198	3901980	20.0
11H-Benzo[b]flu...	20.063	4.3	ng	2761310	5	21.316	12948500	20.0
11H-Benzo[a]flu...	20.163	4.3	ng	2803500	5	21.316	12948500	20.0
Benz[c]acridine	21.051	4.8	ng	3120420	5	21.316	12948500	20.0
Benzo[e]pyrene	23.510	20.0	ng	3849750	6	23.721	3854950	20.0