LSC Area Percent Report

Data Path : Z:\SVOASRV\HPCHEM1\BNA P\DATA\BP091819\
Data File : BP000310.D
Acq On : 18 Sep 2019 20:27
Operator : HP/JU
Sample : K4668-08 2X
Misc :
ALS Vial : 22 Sample Multiplier: 1

Instrument : BNA_P
ClientSampleId : SU-01-091719

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\8270-BP091619.M
Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

Signal : TIC

peak #	R.T. min	first scan	max scan	last scan	PK TY	peak height	corr. area	corr. % max.	% of total
1	5.416	561	566	569	rBV	2590716	2438691	16.24%	2.445%
2	6.428	734	738	744	rBV	2977505	2645012	17.62%	2.652%
3	6.563	757	761	764	rBV	3423976	2756135	18.36%	2.763%
4	6.793	796	800	803	rBV	2282744	1716583	11.43%	1.721%
5	6.952	823	827	830	rBV	2572197	2317080	15.43%	2.323%
6	7.346	888	894	898	rBV	1782127	1556169	10.37%	1.560%
7	8.075	1014	1018	1021	rBV	2817786	2238979	14.91%	2.245%
8	9.151	1197	1201	1204	rBV	4888213	3702007	24.66%	3.712%
9	9.240	1212	1216	1220	rBV2	177527	175286	1.17%	0.176%
10	9.546	1265	1268	1273	rBV	520143	525435	3.50%	0.527%
11	9.693	1290	1293	1296	rBV	286476	226378	1.51%	0.227%
12	9.775	1304	1307	1311	rVB	267526	211912	1.41%	0.212%
13	9.834	1314	1317	1321	rVB	3251753	2643935	17.61%	2.651%
14	10.275	1389	1392	1400	rVB2	393648	340364	2.27%	0.341%
15	10.498	1424	1430	1435	rBV2	204913	282549	1.88%	0.283%
16	10.628	1448	1452	1455	rBV	2623672	2257316	15.04%	2.263%
17	10.751	1470	1473	1480	rBV	490962	552844	3.68%	0.554%
18	11.204	1547	1550	1552	rBV	390249	291958	1.94%	0.293%
19	11.234	1552	1555	1560	rVB2	186863	208532	1.39%	0.209%
20	11.328	1568	1571	1574	rBV	3017732	2662765	17.74%	2.670%
21	11.351	1574	1575	1579	rVV	427514	286602	1.91%	0.287%
22	11.404	1581	1584	1587	rVB	274431	219904	1.46%	0.220%
23	11.634	1620	1623	1625	rBV2	369233	306140	2.04%	0.307%
24	11.657	1625	1627	1630	rVB2	291963	243728	1.62%	0.244%
25	11.734	1636	1640	1644	rBV	6510552	6002385	39.98%	6.018%
26	11.863	1660	1662	1666	rVB	297248	284716	1.90%	0.285%
27	11.945	1673	1676	1679	rBV	338535	376213	2.51%	0.377%
28	12.045	1690	1693	1697	rBV	270555	214742	1.43%	0.215%
29	12.140	1706	1709	1717	rVB4	150056	242543	1.62%	0.243%
30	12.392	1749	1752	1754	rBV	289836	279670	1.86%	0.280%
31	12.434	1754	1759	1761	rVV	11240831	14522818	96.74%	14.560%
32	12.463	1761	1764	1769	rVV	12513570	15012081	100.00%	15.051%
33	12.498	1769	1770	1773	rVV	258654	201752	1.34%	0.202%
34	12.534	1773	1776	1778	rVV	2804923	2545800	16.96%	2.552%

LSC Area Percent Report

Data Path : Z:\SVOASRV\HPCHEM1\BNA P\DATA\BP091819\
Data File : BP000310.D
Acq On : 18 Sep 2019 20:27
Operator : HP/JU
Sample : K4668-08 2X
Misc :
ALS Vial : 22 Sample Multiplier: 1

Instrument : BNA_P
ClientSampleId : SU-01-091719

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\8270-BP091619.M
Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

35	12.557	1778	1780	1783	rVB	2661346	2013979	13.42%	2.019%
36	12.787	1813	1819	1822	rBV	2784203	3218946	21.44%	3.227%
37	12.816	1822	1824	1826	rVB2	218927	180598	1.20%	0.181%
38	12.910	1837	1840	1841	rBV	174024	185275	1.23%	0.186%
39	12.934	1841	1844	1847	rVB	4285339	3505866	23.35%	3.515%
40	13.010	1855	1857	1860	rVB	189258	203714	1.36%	0.204%
41	13.098	1869	1872	1874	rBV2	613376	656369	4.37%	0.658%
42	13.122	1874	1876	1880	rVV	644656	592691	3.95%	0.594%
43	13.187	1882	1887	1890	rVV2	933936	1016304	6.77%	1.019%
44	13.222	1890	1893	1896	rVV2	425403	448067	2.98%	0.449%
45	13.269	1898	1901	1906	rVV2	514879	561692	3.74%	0.563%
46	13.316	1907	1909	1912	rVB	252329	210791	1.40%	0.211%
47	13.345	1912	1914	1918	rBV	241862	240667	1.60%	0.241%
48	13.769	1984	1986	1988	rBV	280980	234341	1.56%	0.235%
49	13.798	1988	1991	1994	rVV2	233135	285853	1.90%	0.287%
50	13.851	1996	2000	2003	rVB2	419786	604952	4.03%	0.607%
51	13.945	2013	2016	2018	rBV	451027	368722	2.46%	0.370%
52	13.998	2020	2025	2027	rVV2	3139050	4475522	29.81%	4.487%
53	14.022	2027	2029	2032	rVB	1678508	1382087	9.21%	1.386%
54	14.104	2041	2043	2046	rVB	392233	295608	1.97%	0.296%
55	15.051	2200	2204	2207	rBV	1907720	2841332	18.93%	2.849%
56	15.357	2253	2256	2262	rVB	1183369	1504199	10.02%	1.508%
57	15.422	2263	2267	2273	rBV	1702639	2061217	13.73%	2.067%
58	15.486	2274	2278	2281	rBV	1730259	2165764	14.43%	2.171%

Sum of corrected areas: 99743580

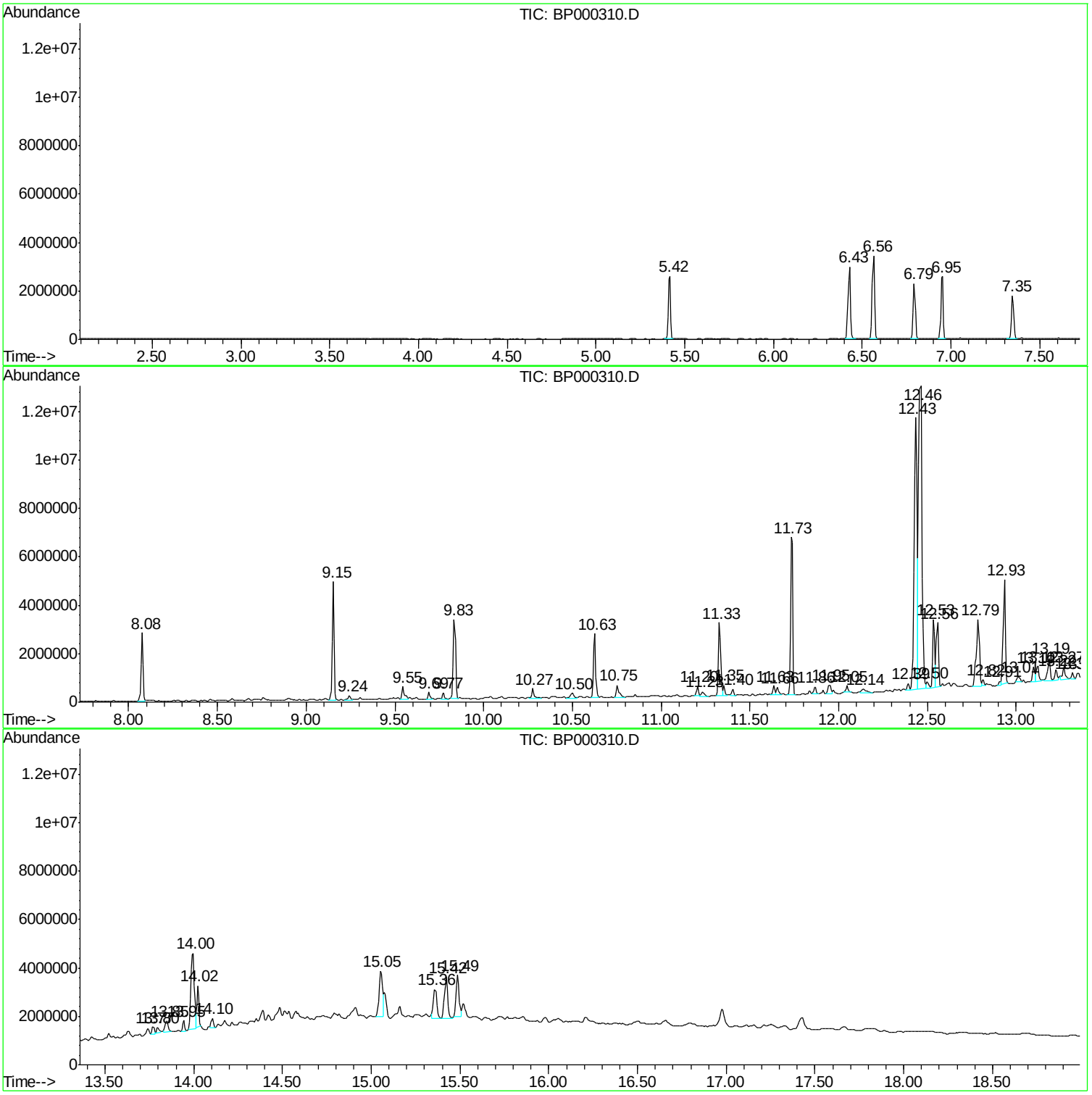
LSC Report - Integrated Chromatogram

Data Path : Z:\SVOASRV\HPCHEM1\BNA P\DATA\BP091819\
Data File : BP000310.D
Acq On : 18 Sep 2019 20:27
Operator : HP/JU
Sample : K4668-08 2X
Misc :
ALS Vial : 22 Sample Multiplier: 1

Instrument : BNA_P
ClientSampleId : SU-01-091719

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_P\METHODS\8270-BP091619.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\BP091819\
Data File : BP000310.D
Acq On : 18 Sep 2019 20:27
Operator : HP/JU
Sample : K4668-08 2X
Misc :
ALS Vial : 22 Sample Multiplier: 1

Instrument : BNA_P
ClientSampleId : SU-01-091719

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_P\METHODS\8270-BP091619.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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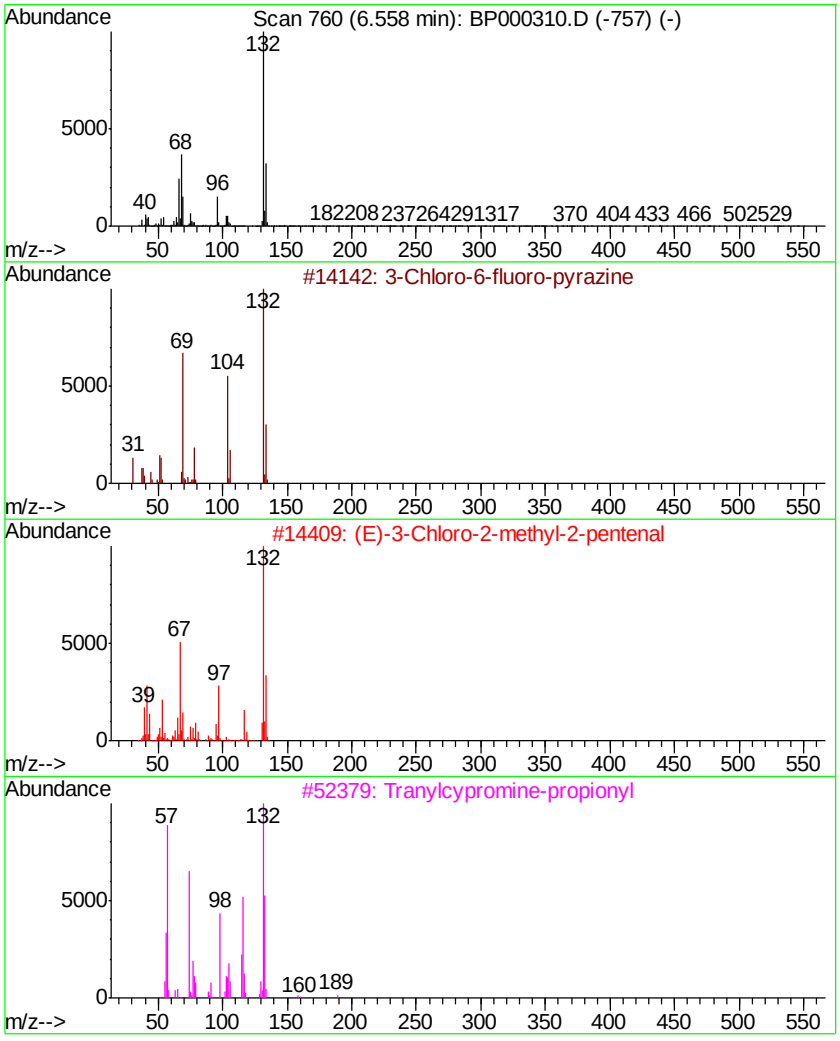
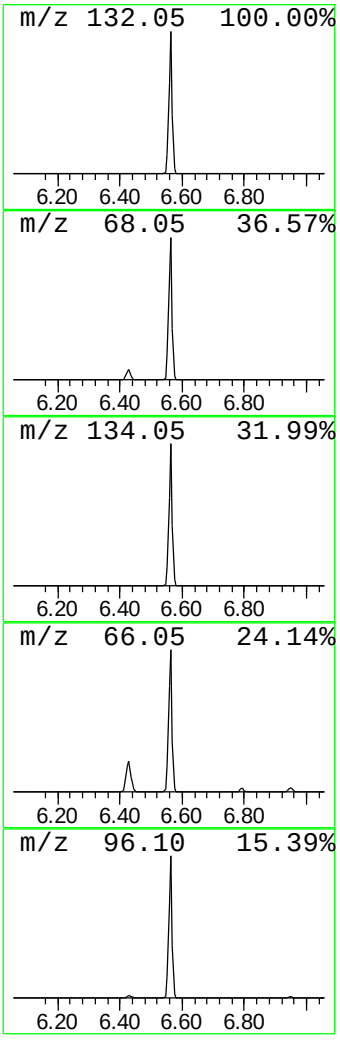
Peak Number 1 unknown6.56 Concentration Rank 4

R.T.	EstConc	Area	Relative to ISTD	R.T.
6.56	32.11 ng	2756140	1,4-Dichlorobenzene-d4	6.79

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	3-Chloro-6-fluoro-pyrazine	132	C4H2ClFN2	1000146-10-7	38
2	(E)-3-Chloro-2-methyl-2-pentenal	132	C6H9ClO	031357-76-3	25
3	Tranylcypromine-propionyl	189	C12H15NO	1000123-86-3	16
4	1H-Benzimidazole, 2-methyl-	132	C8H8N2	000615-15-6	12
5	1H-Indazole, 7-methyl-	132	C8H8N2	1000316-00-7	12





Library Search Compound Report

Data Path : Z:\SVOASRV\HPCHEM1\BNA P\DATA\BP091819\
Data File : BP000310.D
Acq On : 18 Sep 2019 20:27
Operator : HP/JU
Sample : K4668-08 2X
Misc :
ALS Vial : 22 Sample Multiplier: 1

Instrument : BNA_P
ClientSampleId : SU-01-091719

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_P\METHODS\8270-BP091619.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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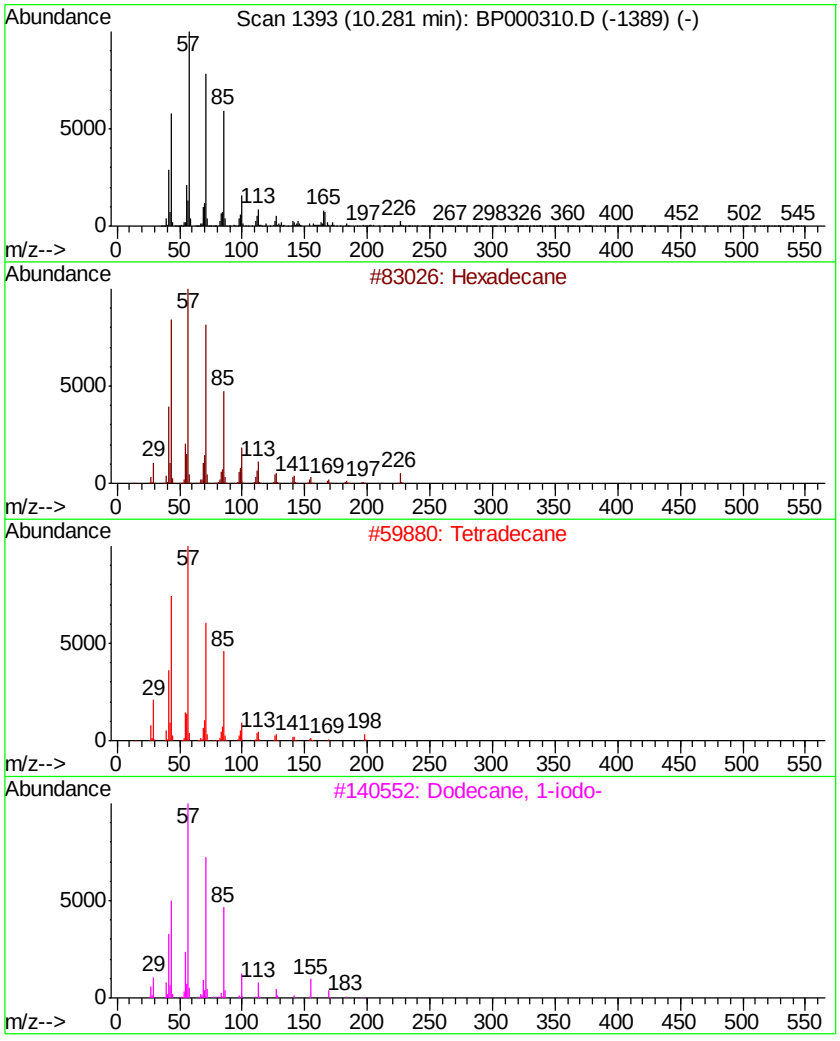
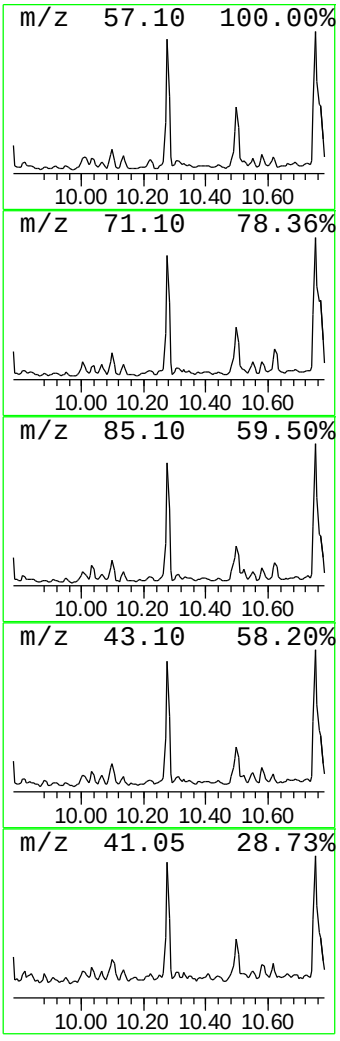
Peak Number 3 Hexadecane Concentration Rank 13

R.T.	EstConc	Area	Relative to ISTD	R.T.
10.28	2.57 ng	340364	Acenaphthene-d10	9.83

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Hexadecane	226	C16H34	000544-76-3	95
2	Tetradecane	198	C14H30	000629-59-4	90
3	Dodecane, 1-iodo-	296	C12H25I	004292-19-7	83
4	Decane, 2,3,5-trimethyl-	184	C13H28	062238-11-3	80
5	Hexadecane, 7,9-dimethyl-	254	C18H38	021164-95-4	74





Library Search Compound Report

Data Path : Z:\SVOASRV\HPCHEM1\BNA P\DATA\BP091819\
Data File : BP000310.D
Acq On : 18 Sep 2019 20:27
Operator : HP/JU
Sample : K4668-08 2X
Misc :
ALS Vial : 22 Sample Multiplier: 1

Instrument : BNA_P
ClientSampleId : SU-01-091719

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_P\METHODS\8270-BP091619.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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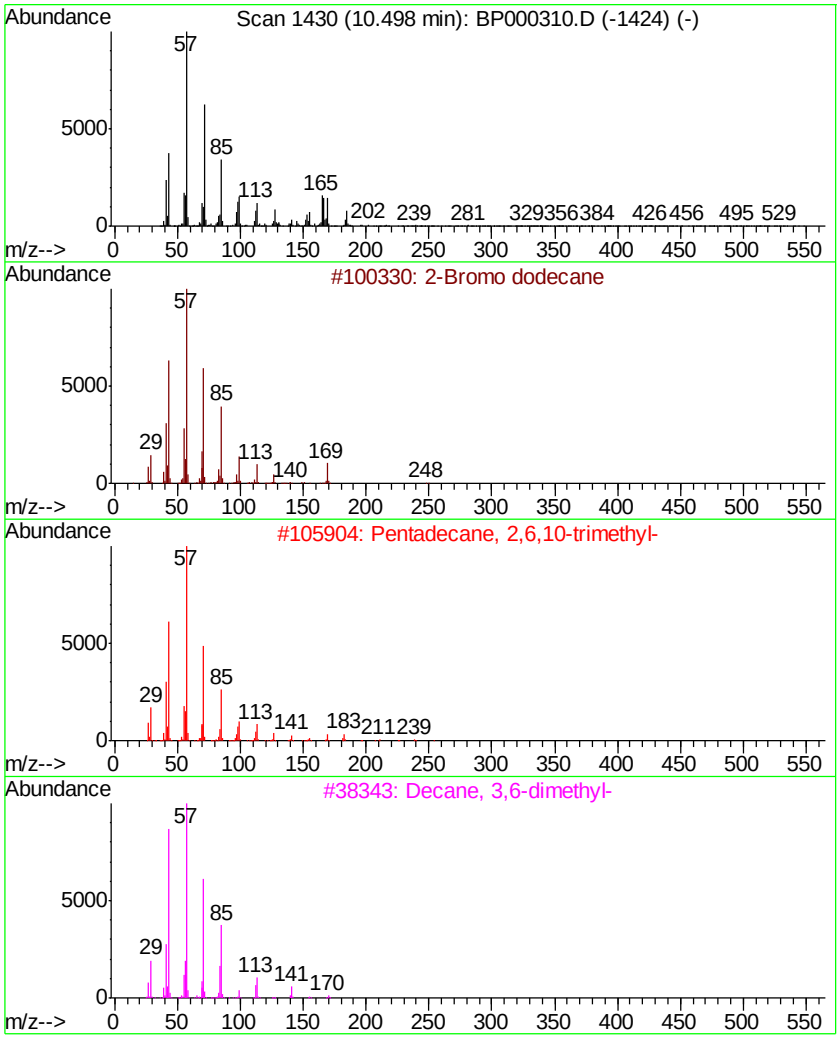
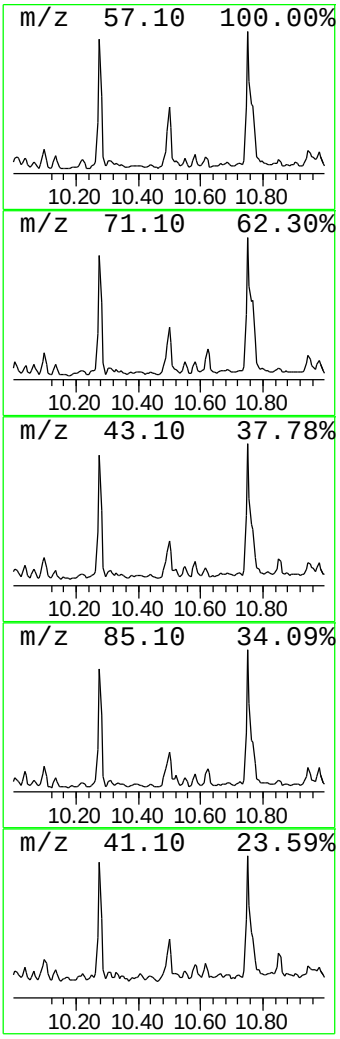
Peak Number 4 2-Bromo dodecane Concentration Rank 18

R.T.	EstConc	Area	Relative to ISTD	R.T.
10.50	2.14 ng	282549	Acenaphthene-d10	9.83

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	2-Bromo dodecane	248	C12H25Br	013187-99-0	89
2	Pentadecane, 2,6,10-trimethyl-	254	C18H38	003892-00-0	64
3	Decane, 3,6-dimethyl-	170	C12H26	017312-53-7	64
4	Heneicosane	296	C21H44	000629-94-7	64
5	Dodecane, 4,9-dipropyl-	254	C18H38	003054-63-5	64





Data Path : Z:\SVOASRV\HPCHEM1\BNA P\DATA\BP091819\
Data File : BP000310.D
Acq On : 18 Sep 2019 20:27
Operator : HP/JU
Sample : K4668-08 2X
Misc :
ALS Vial : 22 Sample Multiplier: 1

Instrument : BNA_P
ClientSampleId : SU-01-091719

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_P\METHODS\8270-BP091619.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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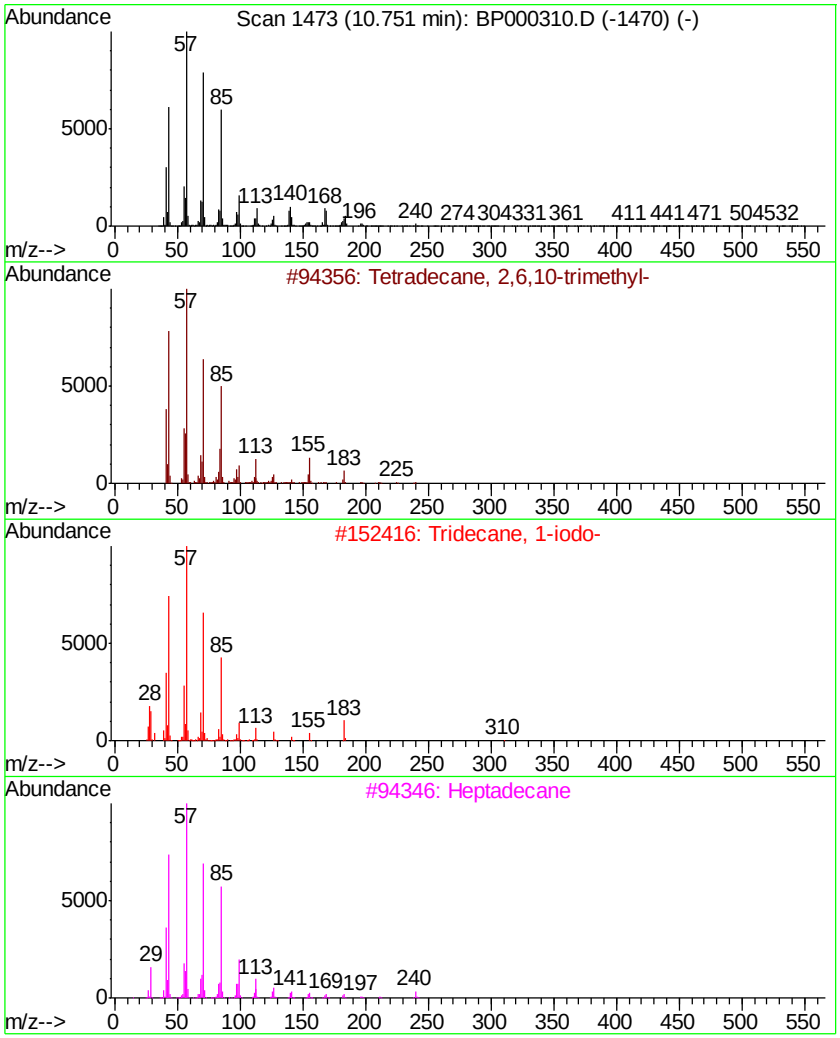
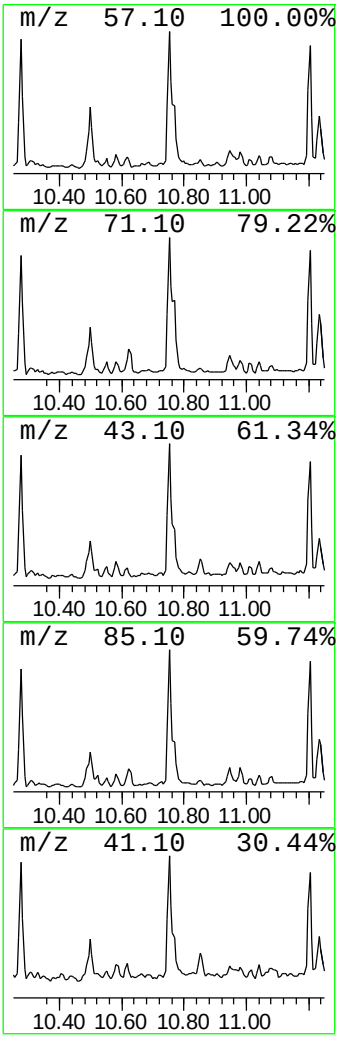
Peak Number 5 Tetradecane, 2,6,10-trimethyl- Concentration Rank 8

R.T.	EstConc	Area	Relative to ISTD	R.T.
10.75	4.15 ng	552844	Phenanthrene-d10	11.33

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Tetradecane, 2,6,10-trimethyl-	240	C17H36	014905-56-7	81
2	Tridecane, 1-iodo-	310	C13H27I	035599-77-0	81
3	Heptadecane	240	C17H36	000629-78-7	81
4	Heptadecane, 2,6,10,15-tetramethyl-	296	C21H44	054833-48-6	80
5	Decane, 3,8-dimethyl-	170	C12H26	017312-55-9	74





Data Path : Z:\SVOASRV\HPCHEM1\BNA P\DATA\BP091819\
Data File : BP000310.D
Acq On : 18 Sep 2019 20:27
Operator : HP/JU
Sample : K4668-08 2X
Misc :
ALS Vial : 22 Sample Multiplier: 1

Instrument : BNA_P
ClientSampleId : SU-01-091719

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_P\METHODS\8270-BP091619.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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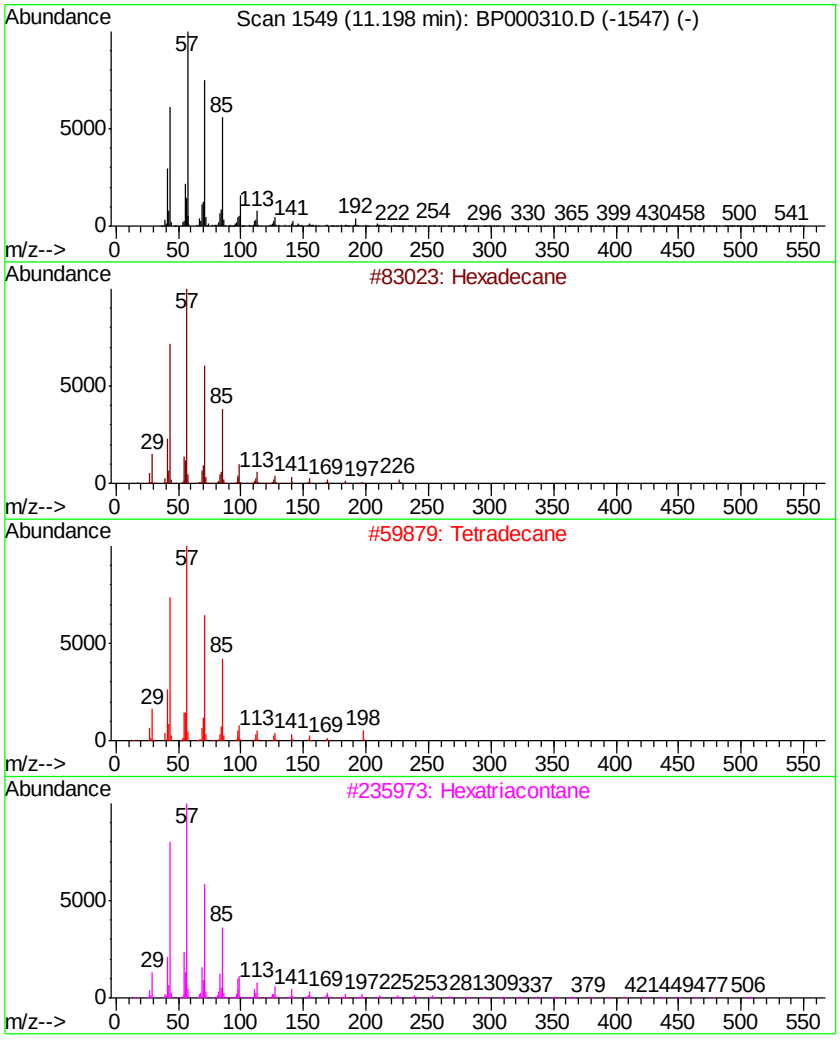
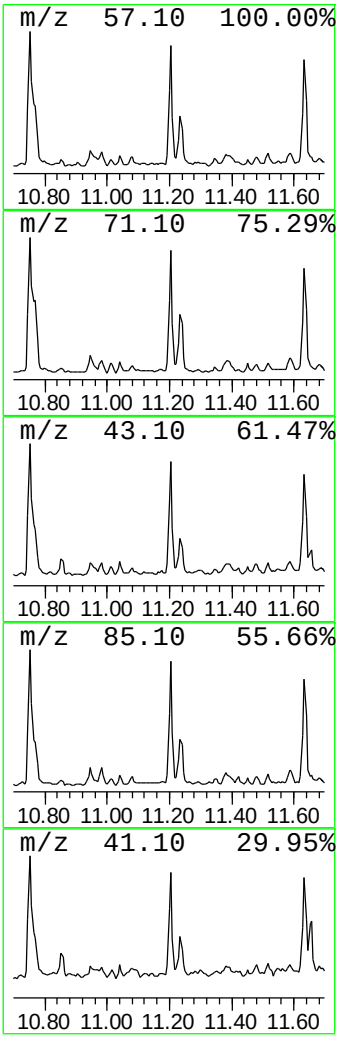
Peak Number 6 Tetradecane Concentration Rank 16

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.20	2.19 ng	291958	Phenanthrene-d10	11.33

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Hexadecane	226	C16H34	000544-76-3	90
2	Tetradecane	198	C14H30	000629-59-4	90
3	Hexatriacontane	507	C36H74	000630-06-8	87
4	Dodecane, 4-methyl-	184	C13H28	006117-97-1	83
5	Borane, diethyl(decyloxy)-	226	C14H31BO	1000152-34-3	81





Data Path : Z:\SVOASRV\HPCHEM1\BNA P\DATA\BP091819\
Data File : BP000310.D
Acq On : 18 Sep 2019 20:27
Operator : HP/JU
Sample : K4668-08 2X
Misc :
ALS Vial : 22 Sample Multiplier: 1

Instrument : BNA_P
ClientSampleId : SU-01-091719

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_P\METHODS\8270-BP091619.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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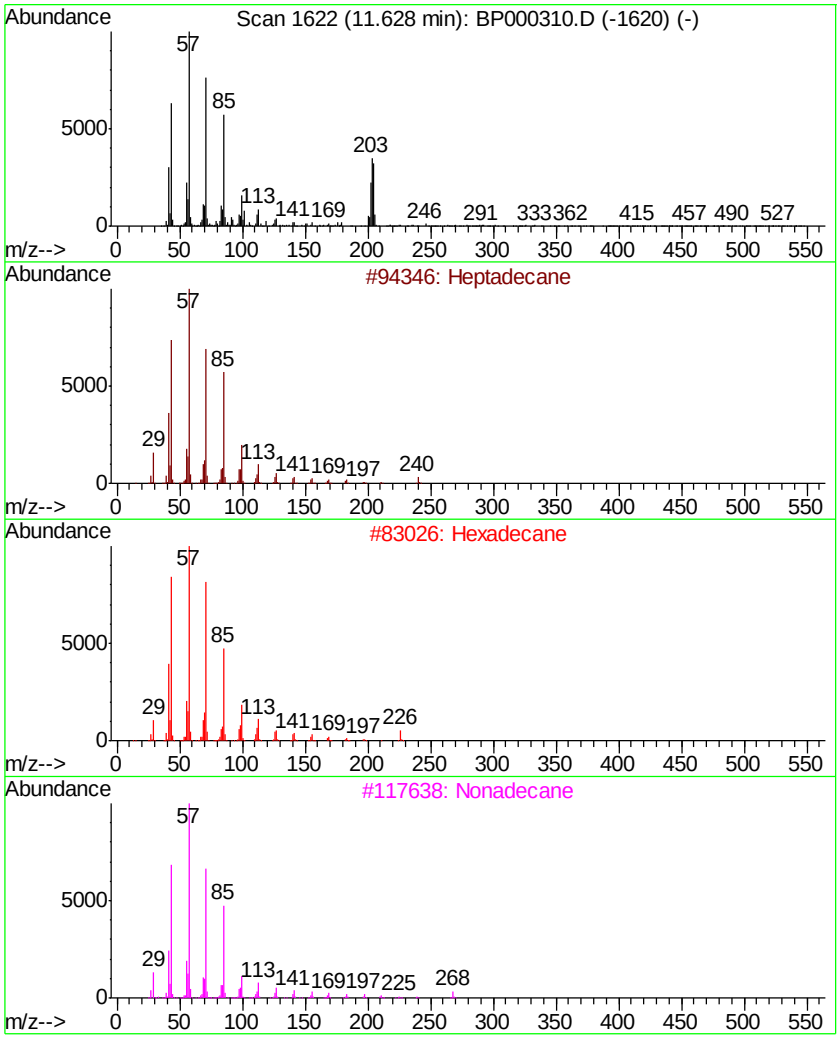
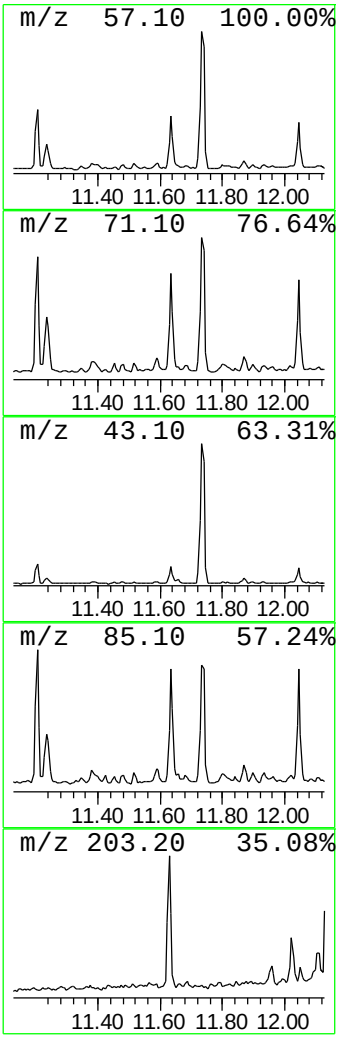
Peak Number 7 Heptadecane Concentration Rank 15

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.63	2.30 ng	306140	Phenanthrene-d10	11.33

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Heptadecane	240	C17H36	000629-78-7	90
2	Hexadecane	226	C16H34	000544-76-3	89
3	Nonadecane	268	C19H40	000629-92-5	87
4	Tetradecane	198	C14H30	000629-59-4	86
5	Octadecane	254	C18H38	000593-45-3	86





Data Path : Z:\SVOASRV\HPCHEM1\BNA P\DATA\BP091819\
Data File : BP000310.D
Acq On : 18 Sep 2019 20:27
Operator : HP/JU
Sample : K4668-08 2X
Misc :
ALS Vial : 22 Sample Multiplier: 1

Instrument : BNA_P
ClientSampleId : SU-01-091719

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_P\METHODS\8270-BP091619.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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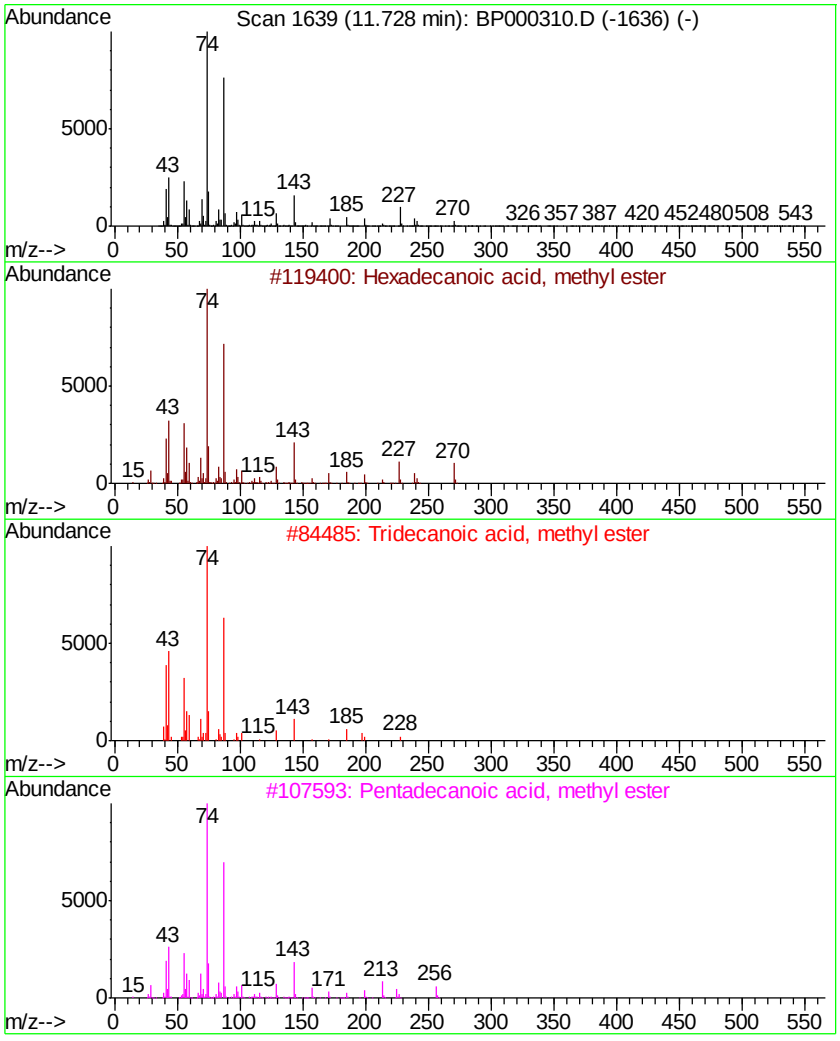
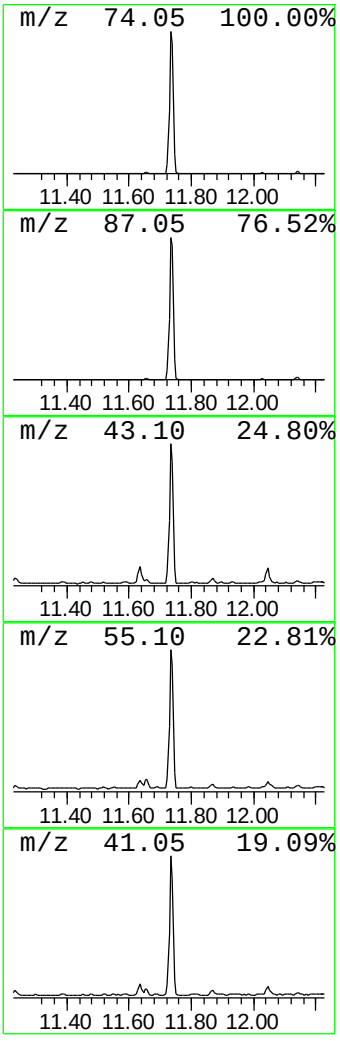
Peak Number 8 Hexadecanoic acid, methyl e... Concentration Rank 3

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.73	45.08 ng	6002390	Phenanthrene-d10	11.33

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Hexadecanoic acid, methyl ester	270	C17H34O2	000112-39-0	98
2	Tridecanoic acid, methyl ester	228	C14H28O2	001731-88-0	81
3	Pentadecanoic acid, methyl ester	256	C16H32O2	007132-64-1	80
4	Tridecanoic acid, 12-methyl-, me...	242	C15H30O2	005129-58-8	74
5	Methyl tetradecanoate	242	C15H30O2	000124-10-7	72





Data Path : Z:\SVOASRV\HPCHEM1\BNA P\DATA\BP091819\
Data File : BP000310.D
Acq On : 18 Sep 2019 20:27
Operator : HP/JU
Sample : K4668-08 2X
Misc :
ALS Vial : 22 Sample Multiplier: 1

Instrument : BNA_P
ClientSampleId : SU-01-091719

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_P\METHODS\8270-BP091619.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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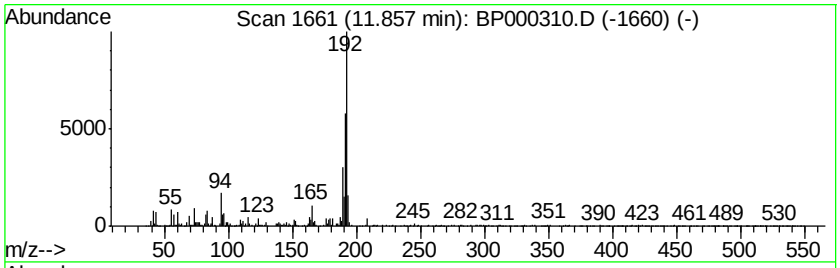
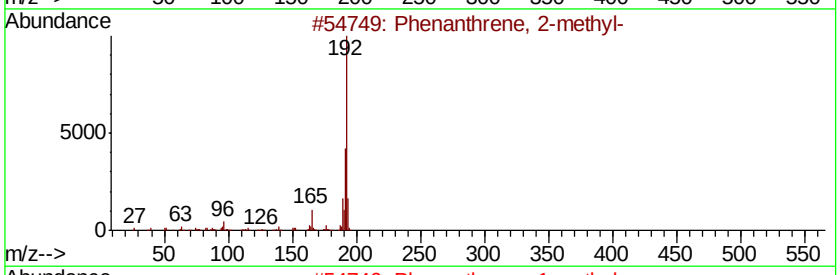
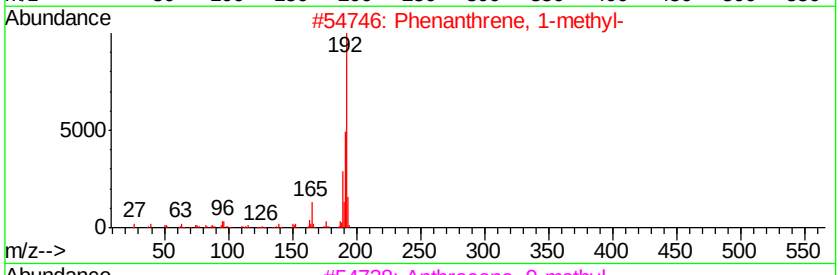
Peak Number 9 Phenanthrene, 2-methyl- Concentration Rank 17

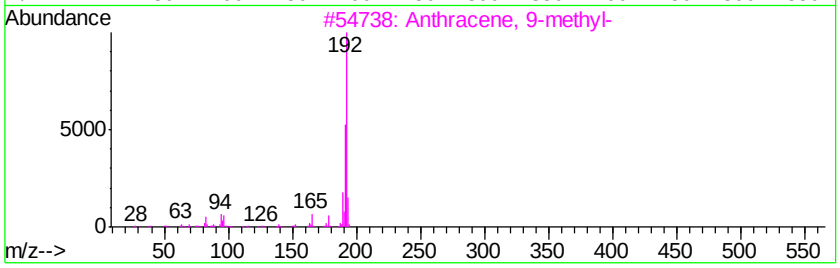
R.T.	EstConc	Area	Relative to ISTD	R.T.
11.86	2.14 ng	284716	Phenanthrene-d10	11.33

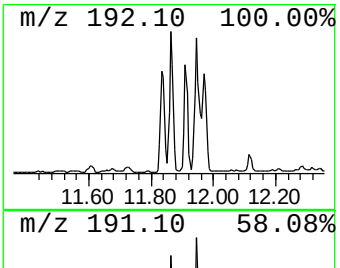
Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Phenanthrene, 2-methyl-	192	C15H12	002531-84-2	97
2	Phenanthrene, 1-methyl-	192	C15H12	000832-69-9	96
3	Anthracene, 9-methyl-	192	C15H12	000779-02-2	95
4	Anthracene, 2-methyl-	192	C15H12	000613-12-7	95
5	Anthracene, 1-methyl-	192	C15H12	000610-48-0	93

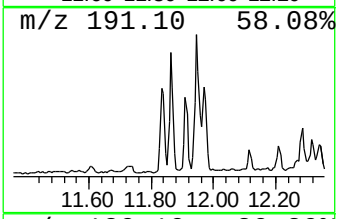


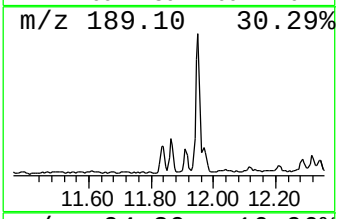


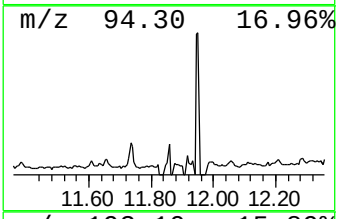


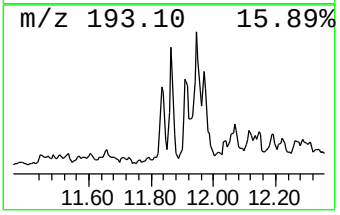












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Data File : BP000310.D
Acq On : 18 Sep 2019 20:27
Operator : HP/JU
Sample : K4668-08 2X
Misc :
ALS Vial : 22 Sample Multiplier: 1

Instrument : BNA_P
ClientSampleId : SU-01-091719

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_P\METHODS\8270-BP091619.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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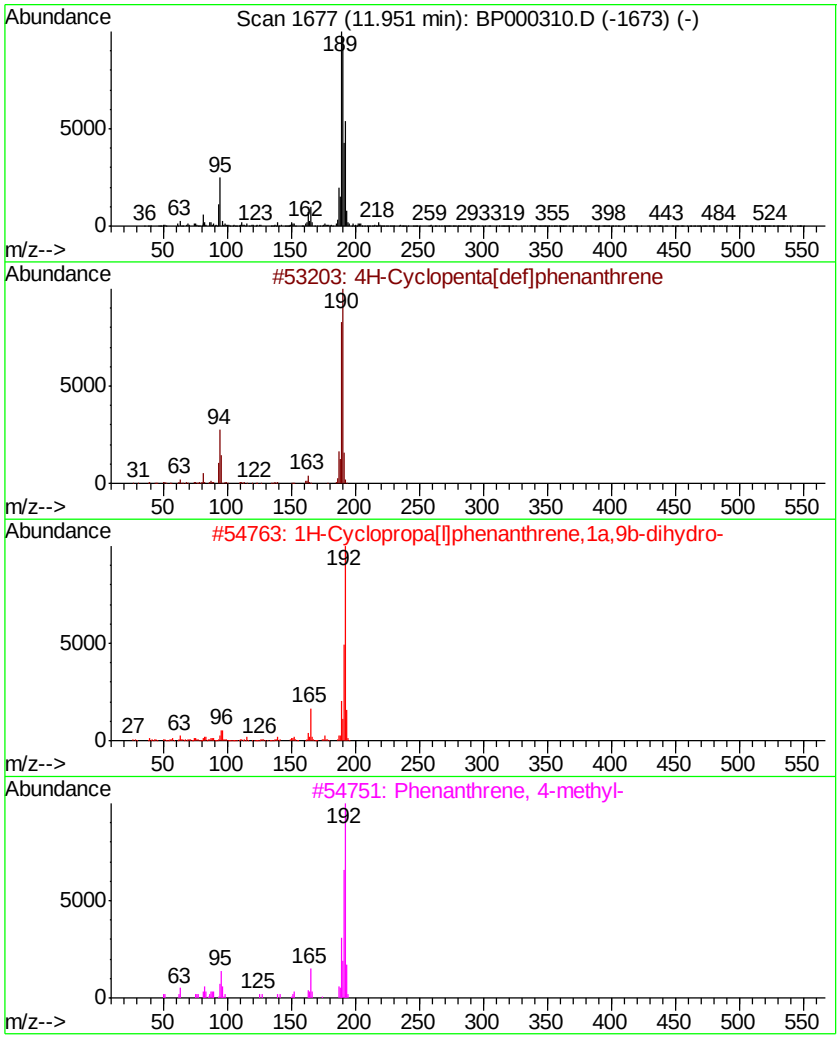
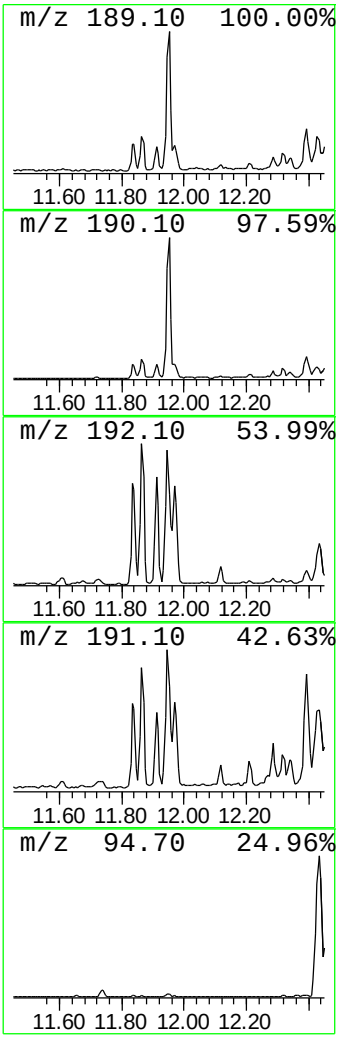
Peak Number 10 unknown11.95 Concentration Rank 10

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.95	2.83 ng	376213	Phenanthrene-d10	11.33

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	4H-Cyclopenta[def]phenanthrene	190	C15H10	000203-64-5	49
2	1H-Cyclopropa[l]phenanthrene,1a,...	192	C15H12	000949-41-7	46
3	Phenanthrene, 4-methyl-	192	C15H12	000832-64-4	46
4	Naphtho[1,2-b]norbornadiene	192	C15H12	1000210-14-8	46
5	Anthracene, 1-methyl-	192	C15H12	000610-48-0	42





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Operator : HP/JU
Sample : K4668-08 2X
Misc :
ALS Vial : 22 Sample Multiplier: 1

Instrument : BNA_P
ClientSampleId : SU-01-091719

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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

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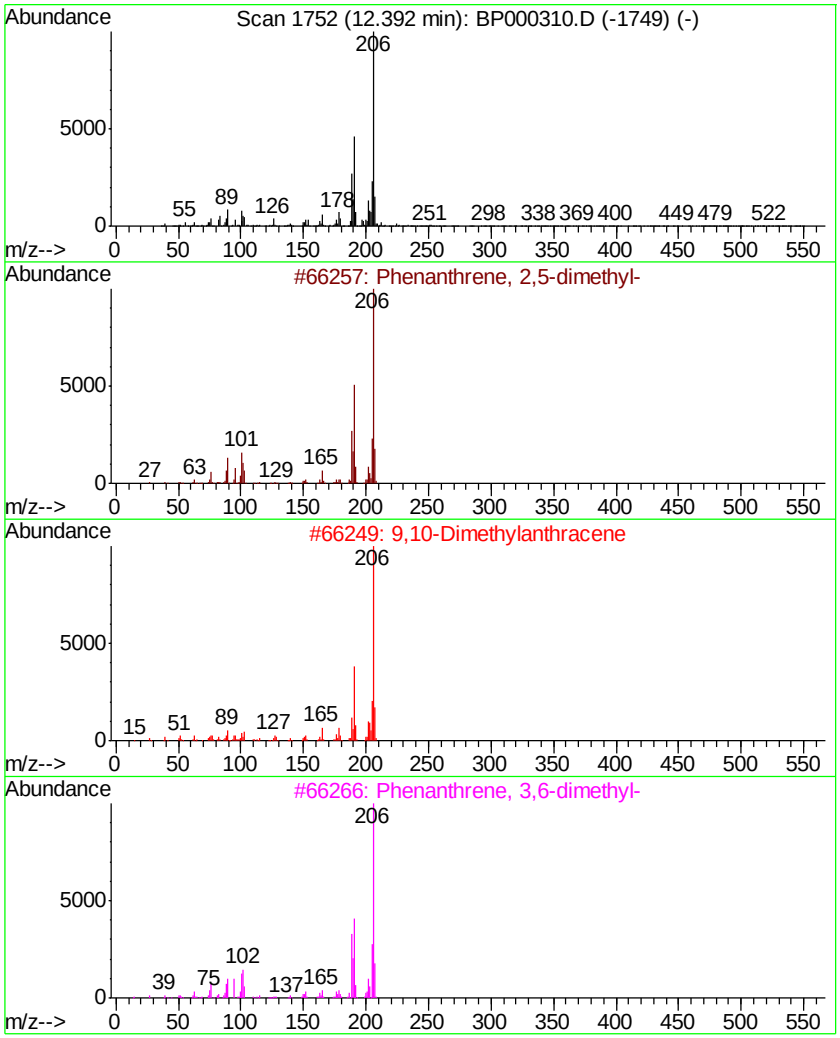
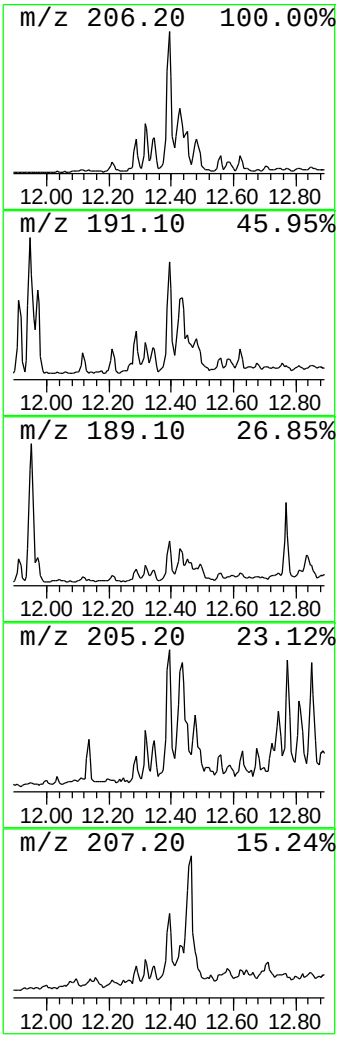
Peak Number 11 Phenanthrene, 2,5-dimethyl- Concentration Rank 19

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.39	2.10 ng	279670	Phenanthrene-d10	11.33

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Phenanthrene, 2,5-dimethyl-	206	C16H14	003674-66-6	98
2	9,10-Dimethylanthracene	206	C16H14	000781-43-1	96
3	Phenanthrene, 3,6-dimethyl-	206	C16H14	001576-67-6	93
4	Phenanthrene, 1,7-dimethyl-	206	C16H14	000483-87-4	93
5	di-p-Tolylacetylene	206	C16H14	002789-88-0	92





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Operator : HP/JU
Sample : K4668-08 2X
Misc :
ALS Vial : 22 Sample Multiplier: 1

Instrument : BNA_P
ClientSampleId : SU-01-091719

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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

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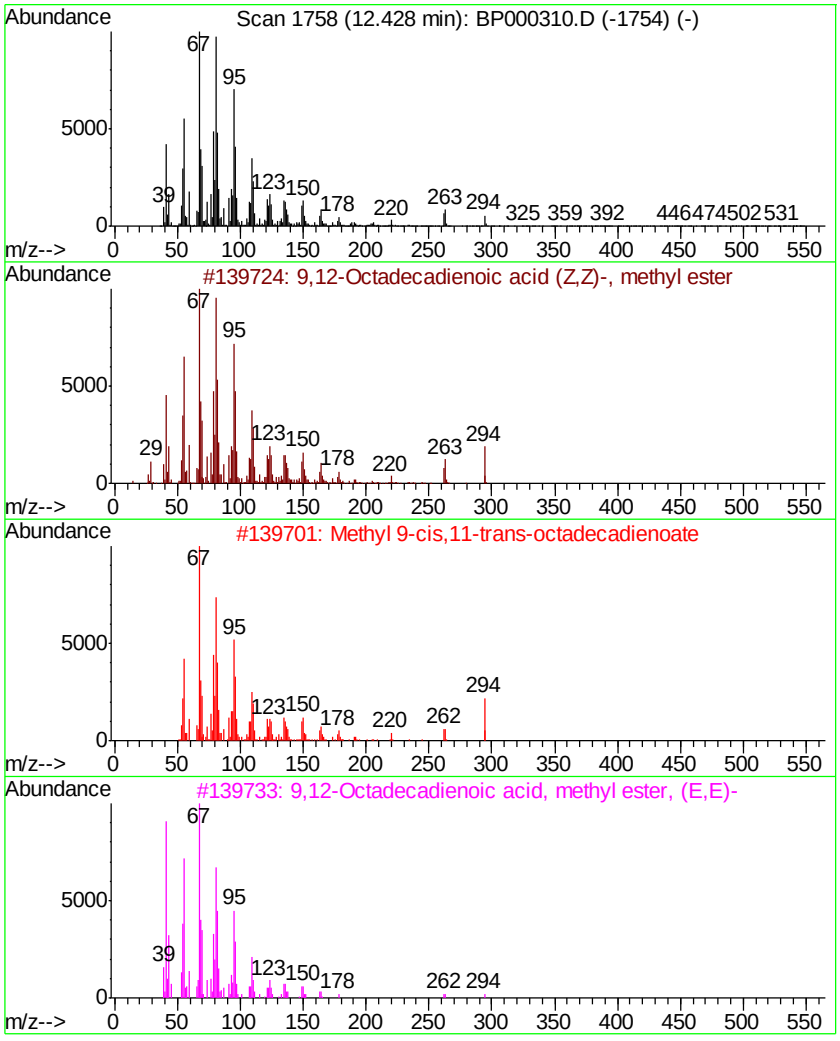
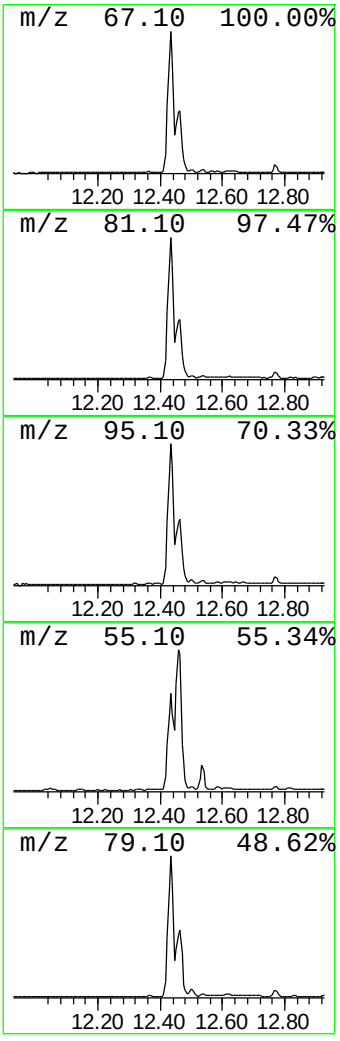
Peak Number 12 9,12-Octadecadienoic acid (... Concentration Rank 2

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.43	109.08 ng	14522800	Phenanthrene-d10	11.33

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	9,12-Octadecadienoic acid (Z,Z)-...	294	C19H34O2	000112-63-0	99
2	Methyl 9-cis,11-trans-octadecadi...	294	C19H34O2	1000336-44-0	99
3	9,12-Octadecadienoic acid, methy...	294	C19H34O2	002566-97-4	99
4	9,12-Octadecadienoic acid, methy...	294	C19H34O2	002462-85-3	99
5	10,13-Octadecadienoic acid, meth...	294	C19H34O2	056554-62-2	98





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Operator : HP/JU
Sample : K4668-08 2X
Misc :
ALS Vial : 22 Sample Multiplier: 1

Instrument : BNA_P
ClientSampleId : SU-01-091719

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_P\METHODS\8270-BP091619.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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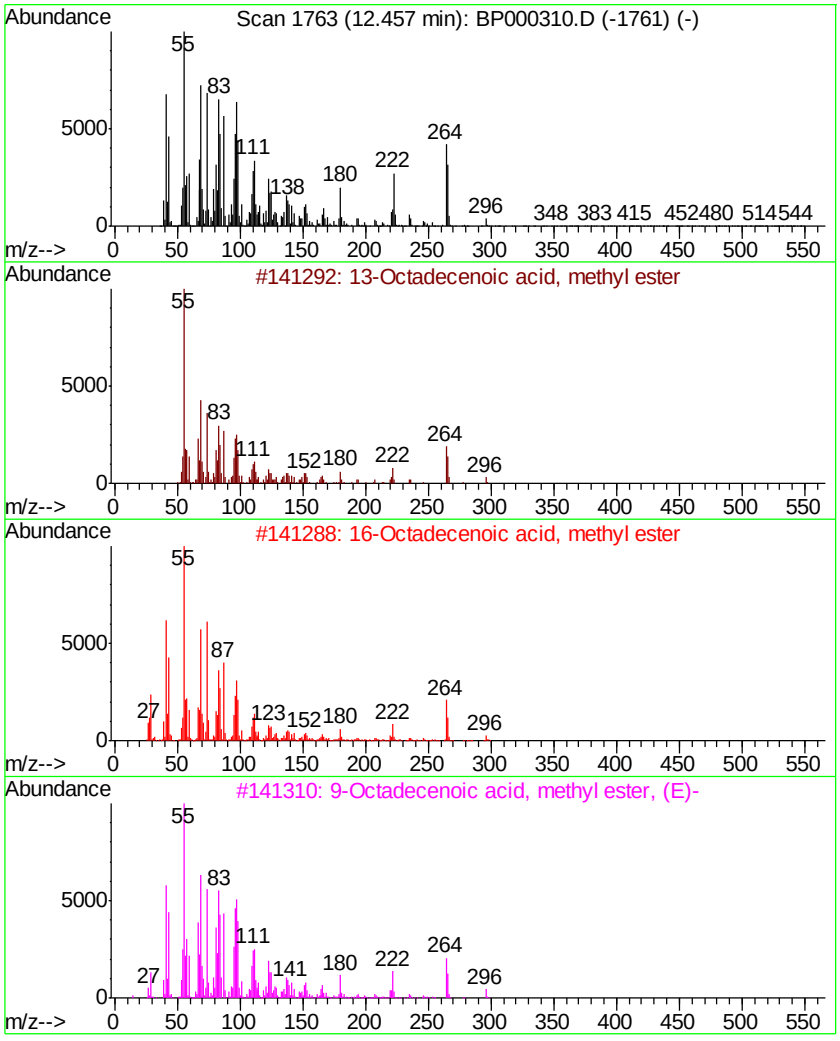
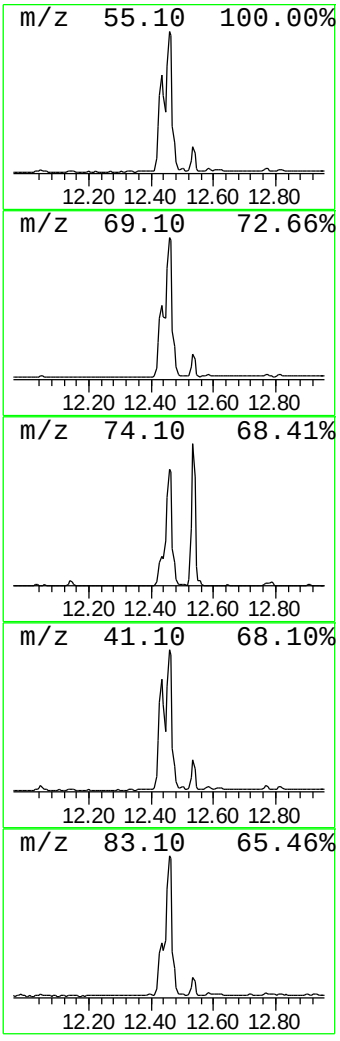
Peak Number 13 13-Octadecenoic acid, methy... Concentration Rank 1

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.46	112.76 ng	15012100	Phenanthrene-d10	11.33

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	13-Octadecenoic acid, methyl ester	296	C19H36O2	056554-47-3	98
2	16-Octadecenoic acid, methyl ester	296	C19H36O2	056554-49-5	98
3	9-Octadecenoic acid, methyl este...	296	C19H36O2	001937-62-8	97
4	11-Octadecenoic acid, methyl ester	296	C19H36O2	052380-33-3	97
5	15-Octadecenoic acid, methyl ester	296	C19H36O2	004764-72-1	96





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Sample : K4668-08 2X
Misc :
ALS Vial : 22 Sample Multiplier: 1

Instrument : BNA_P
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

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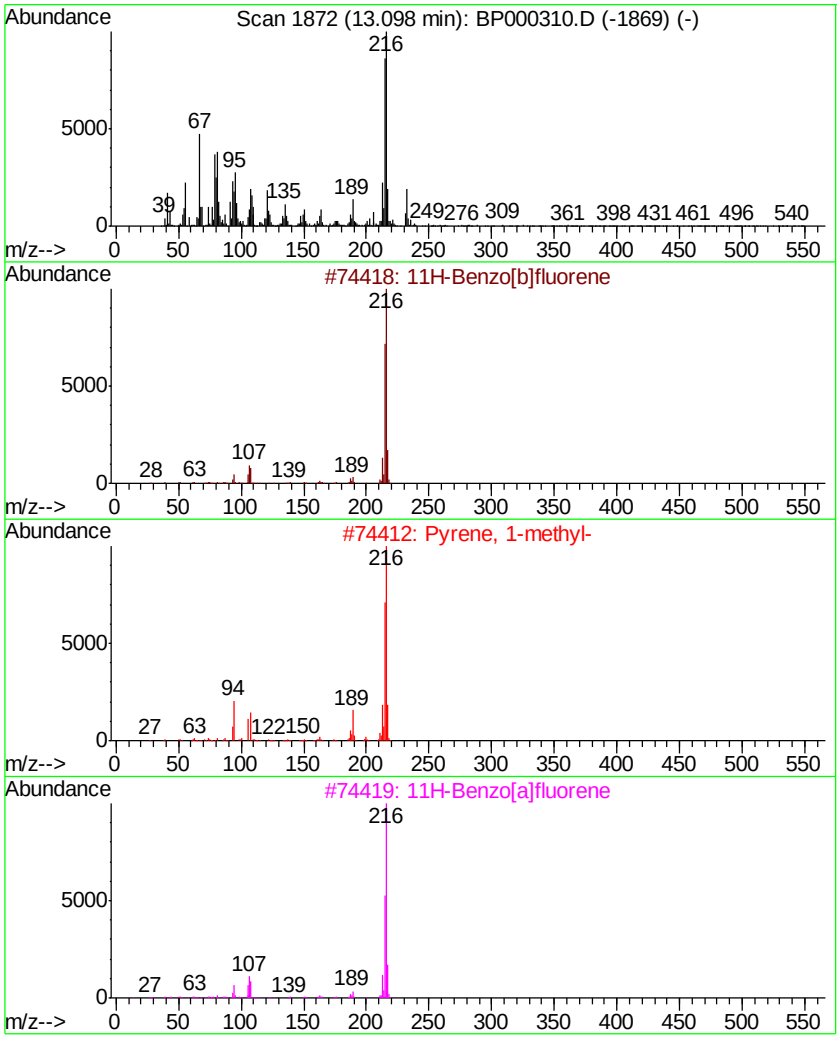
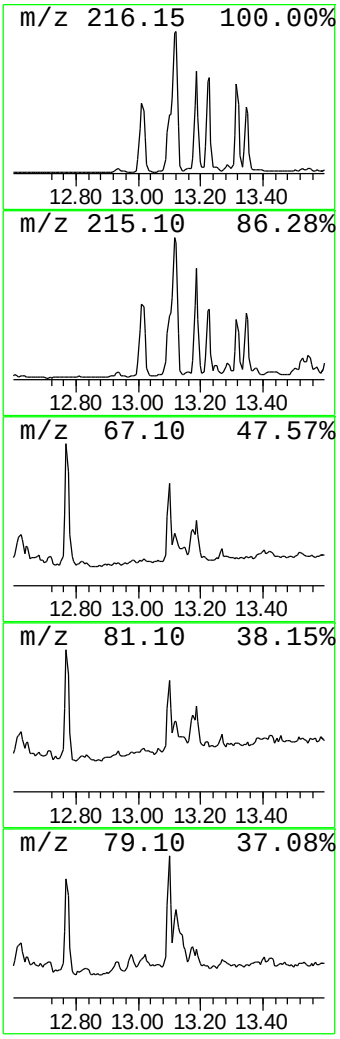
Peak Number 14 11H-Benzo[b]fluorene Concentration Rank 9

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.10	2.93 ng	656369	Chrysene-d12	14.00

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	11H-Benzo[b]fluorene	216	C17H12	000243-17-4	96
2	Pyrene, 1-methyl-	216	C17H12	002381-21-7	95
3	11H-Benzo[a]fluorene	216	C17H12	000238-84-6	64
4	7H-Benzo[c]fluorene	216	C17H12	000205-12-9	64
5	Fluoranthene, 2-methyl-	216	C17H12	033543-31-6	62





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Sample : K4668-08 2X
Misc :
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Instrument : BNA_P
ClientSampleId : SU-01-091719

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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

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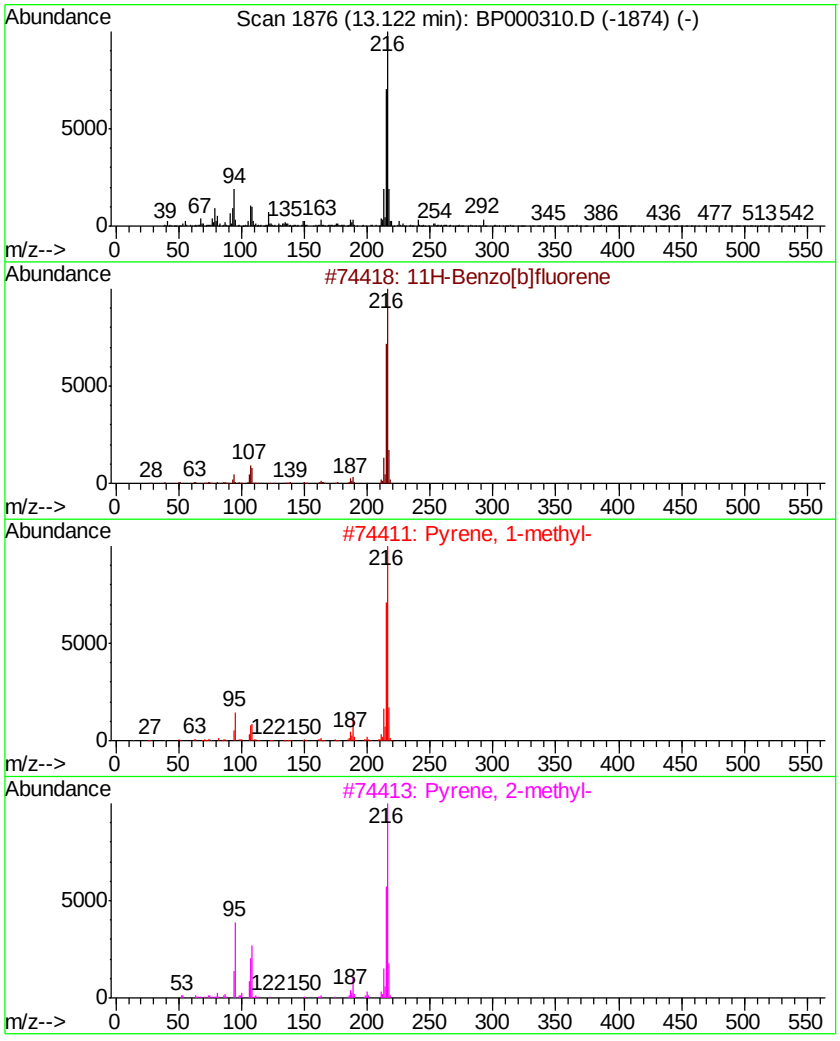
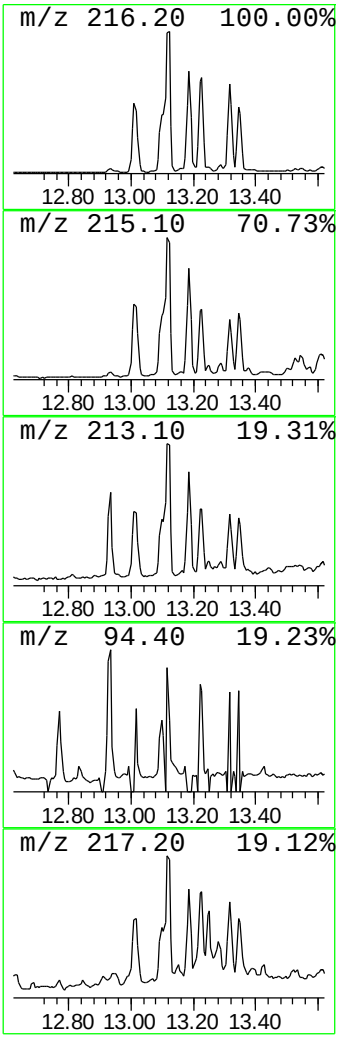
Peak Number 15 Pyrene, 1-methyl- Concentration Rank 12

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.12	2.65 ng	592691	Chrysene-d12	14.00

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	11H-Benzo[b]fluorene	216	C17H12	000243-17-4	93
2	Pyrene, 1-methyl-	216	C17H12	002381-21-7	87
3	Pyrene, 2-methyl-	216	C17H12	003442-78-2	81
4	11H-Benzo[a]fluorene	216	C17H12	000238-84-6	81
5	7H-Benzo[c]fluorene	216	C17H12	000205-12-9	64





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Acq On : 18 Sep 2019 20:27
Operator : HP/JU
Sample : K4668-08 2X
Misc :
ALS Vial : 22 Sample Multiplier: 1

Instrument : BNA_P
ClientSampleId : SU-01-091719

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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

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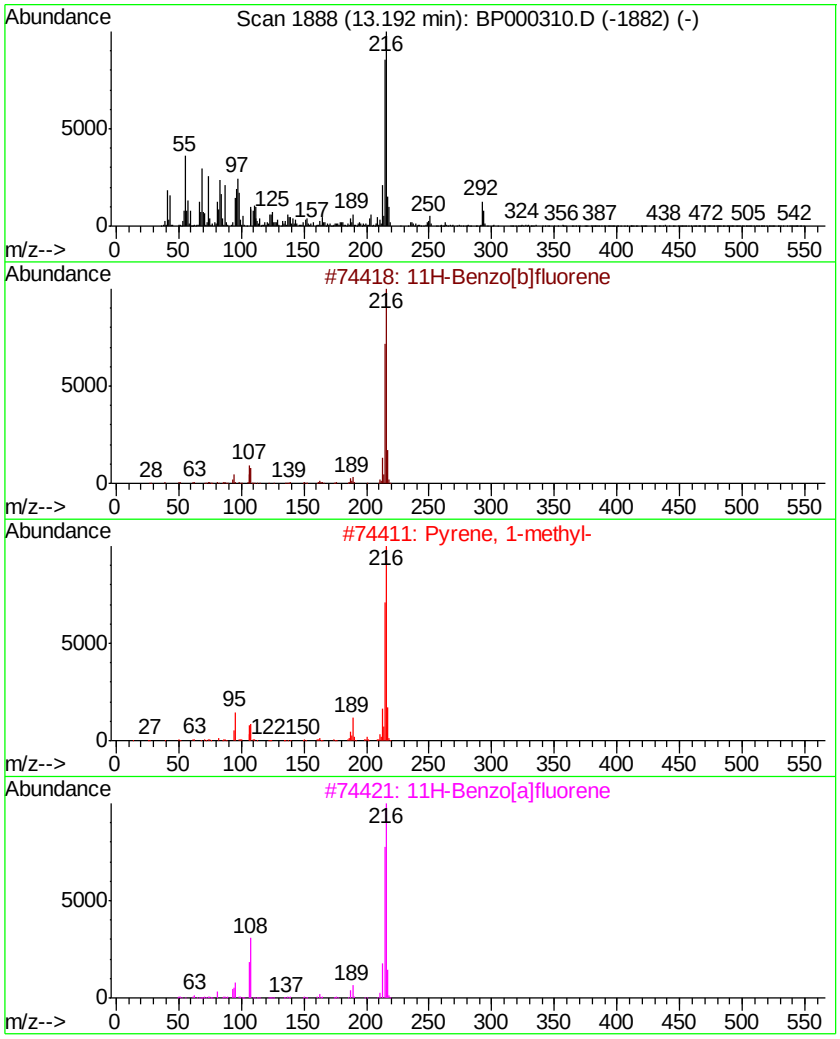
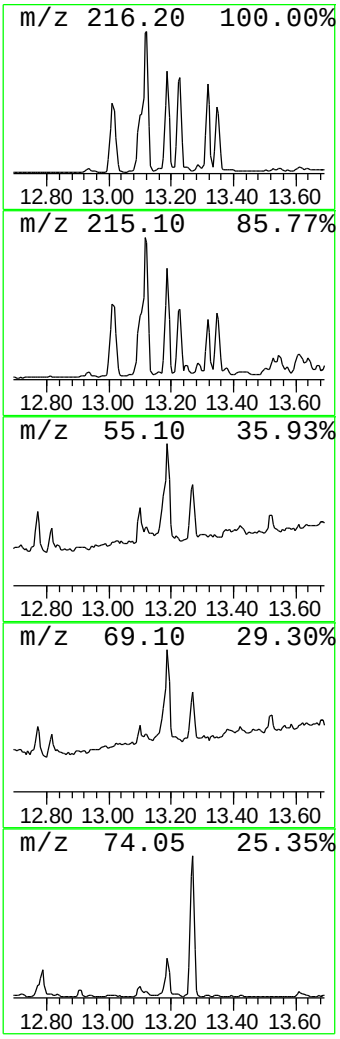
Peak Number 16 11H-Benzo[a]fluorene Concentration Rank 7

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.19	4.54 ng	1016300	Chrysene-d12	14.00

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	11H-Benzo[b]fluorene	216	C17H12	000243-17-4	93
2	Pyrene, 1-methyl-	216	C17H12	002381-21-7	89
3	11H-Benzo[a]fluorene	216	C17H12	000238-84-6	81
4	7H-Benzo[c]fluorene	216	C17H12	000205-12-9	70
5	Fluoranthene, 2-methyl-	216	C17H12	033543-31-6	70





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Acq On : 18 Sep 2019 20:27
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Sample : K4668-08 2X
Misc :
ALS Vial : 22 Sample Multiplier: 1

Instrument : BNA_P
ClientSampleId : SU-01-091719

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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

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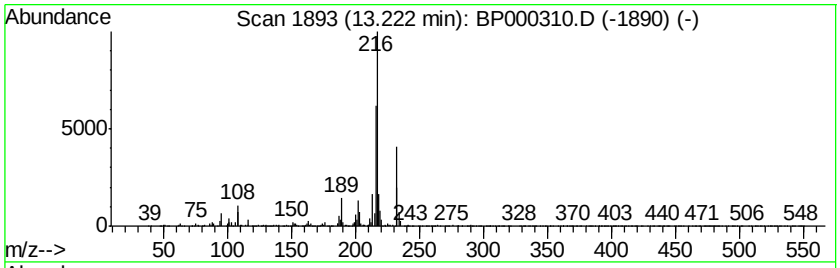
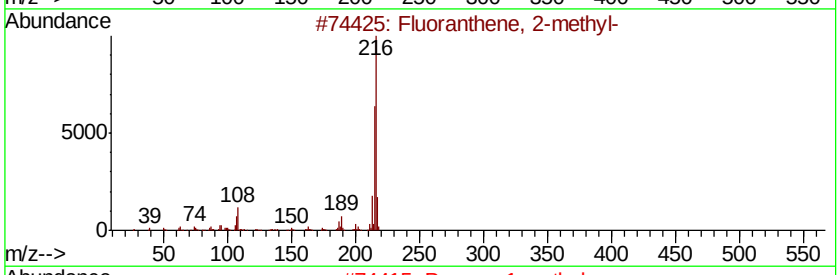
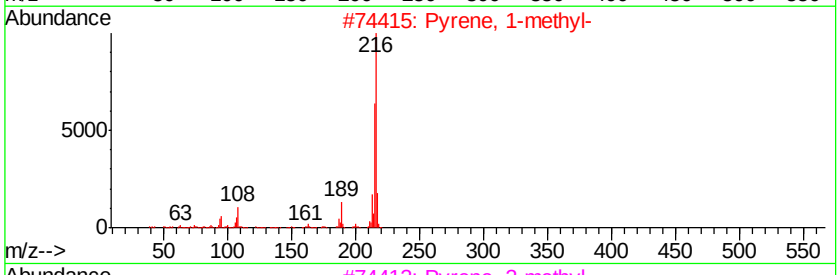
Peak Number 17 Fluoranthene, 2-methyl- Concentration Rank 20

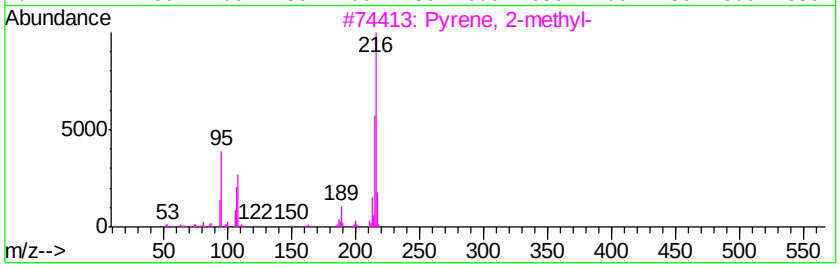
R.T.	EstConc	Area	Relative to ISTD	R.T.
13.22	2.00 ng	448067	Chrysene-d12	14.00

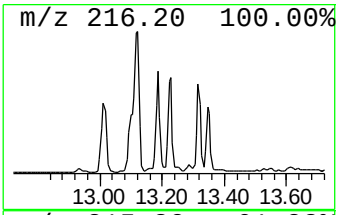
Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Fluoranthene, 2-methyl-	216	C17H12	033543-31-6	96
2	Pyrene, 1-methyl-	216	C17H12	002381-21-7	95
3	Pyrene, 2-methyl-	216	C17H12	003442-78-2	92
4	Pyrene, 4-methyl-	216	C17H12	003353-12-6	90
5	11H-Benzo[b]fluorene	216	C17H12	000243-17-4	83

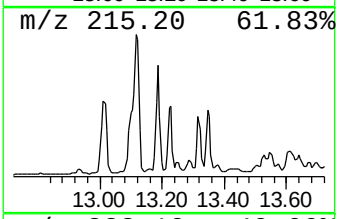


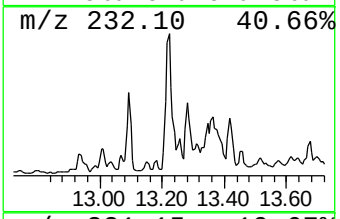


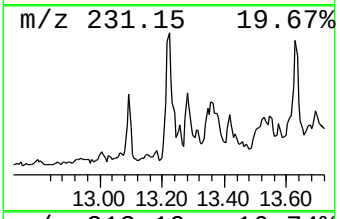


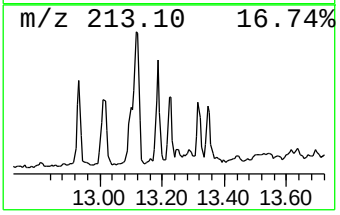












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TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

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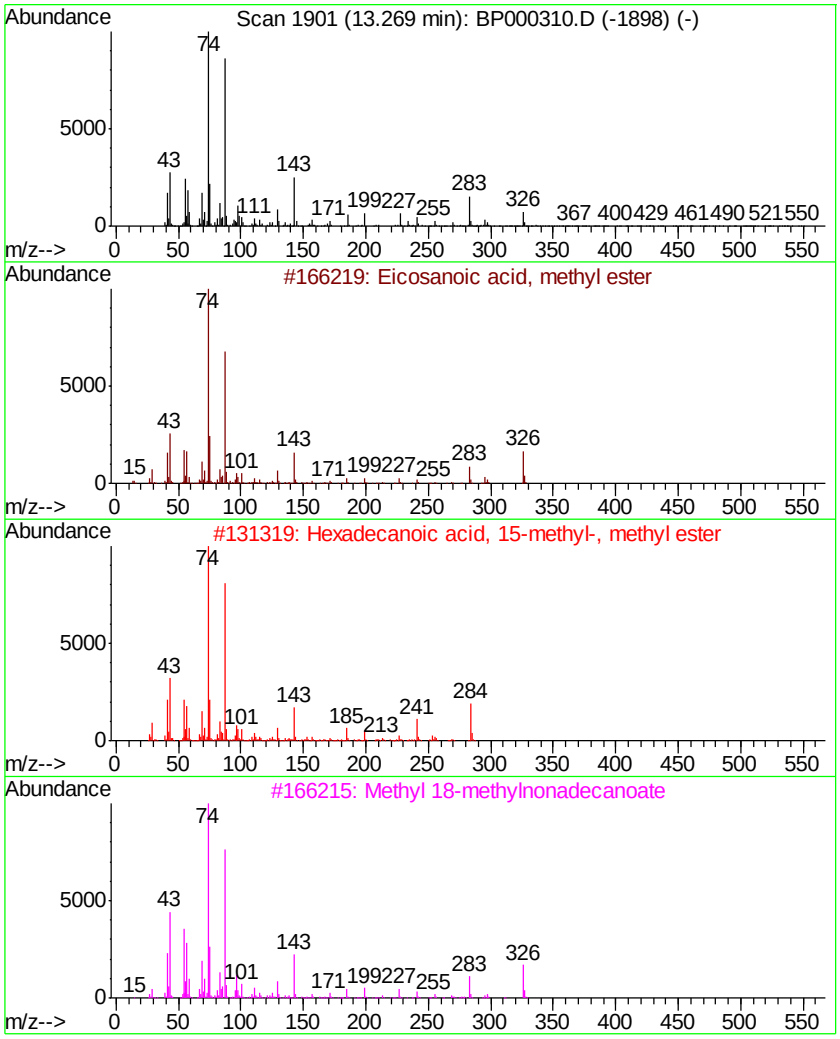
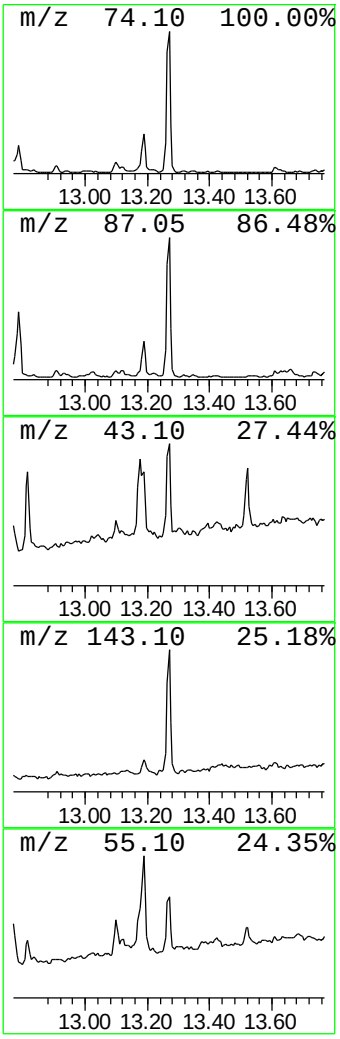
Peak Number 18 Eicosanoic acid, methyl ester Concentration Rank 14

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.27	2.51 ng	561692	Chrysene-d12	14.00

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Eicosanoic acid, methyl ester	326	C21H42O2	001120-28-1	97
2	Hexadecanoic acid, 15-methyl-, m...	284	C18H36O2	006929-04-0	91
3	Methyl 18-methylnonadecanoate	326	C21H42O2	1000352-20-6	90
4	Nonadecanoic acid, methyl ester	312	C20H40O2	001731-94-8	87
5	Methyl 9-methyltetradecanoate	256	C16H32O2	213617-69-7	86





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Data File : BP000310.D
Acq On : 18 Sep 2019 20:27
Operator : HP/JU
Sample : K4668-08 2X
Misc :
ALS Vial : 22 Sample Multiplier: 1

Instrument : BNA_P
ClientSampleId : SU-01-091719

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_P\METHODS\8270-BP091619.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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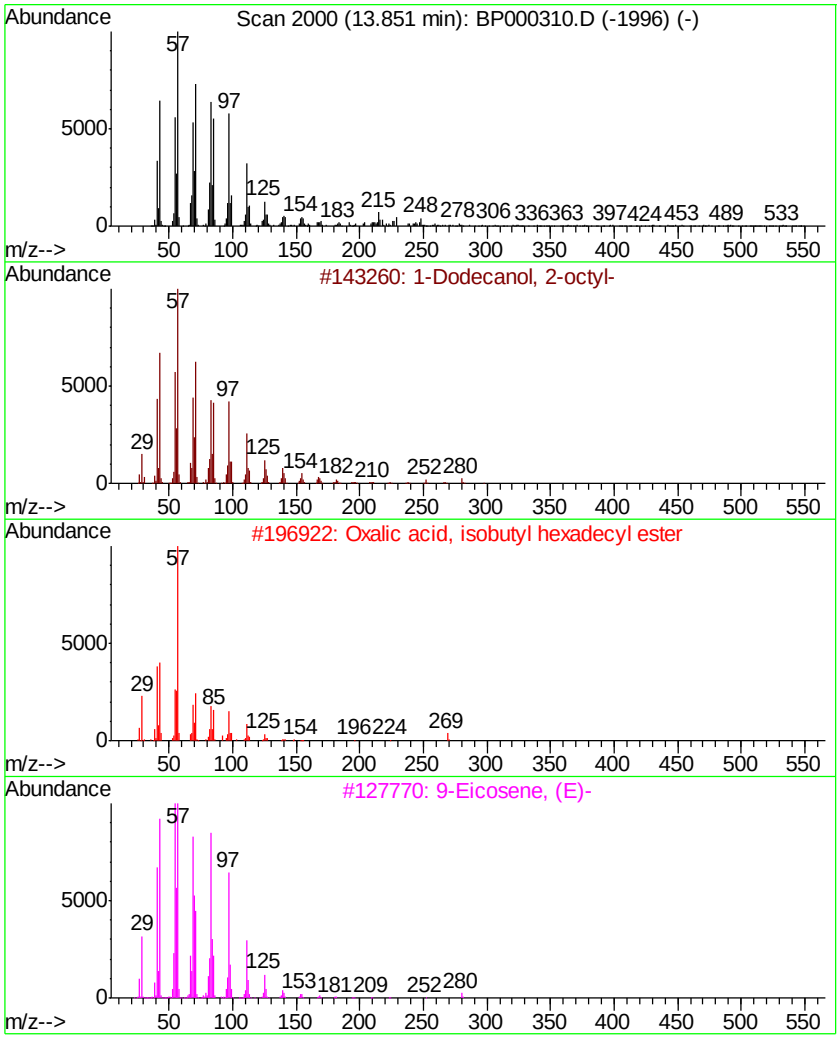
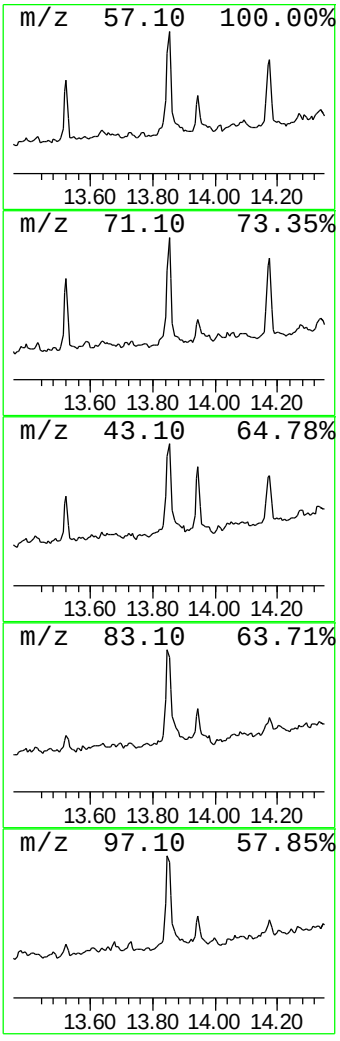
Peak Number 19 1-Dodecanol, 2-octyl- Concentration Rank 11

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.85	2.70 ng	604952	Chrysene-d12	14.00

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	1-Dodecanol, 2-octyl-	298	C20H42O	005333-42-6	91
2	Oxalic acid, isobutyl hexadecyl ...	370	C22H42O4	1000309-38-1	91
3	9-Eicosene, (E)-	280	C20H40	074685-29-3	78
4	Heptafluorobutyric acid, pentade...	424	C19H31F7O2	959261-23-5	78
5	Nonadecyl trifluoroacetate	380	C21H39F3O2	1000351-76-3	70





Library Search Compound Report

Data Path : Z:\SVOASRV\HPCHEM1\BNA P\DATA\BP091819\
Data File : BP000310.D
Acq On : 18 Sep 2019 20:27
Operator : HP/JU
Sample : K4668-08 2X
Misc :
ALS Vial : 22 Sample Multiplier: 1

Instrument : BNA_P
ClientSampleId : SU-01-091719

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_P\METHODS\8270-BP091619.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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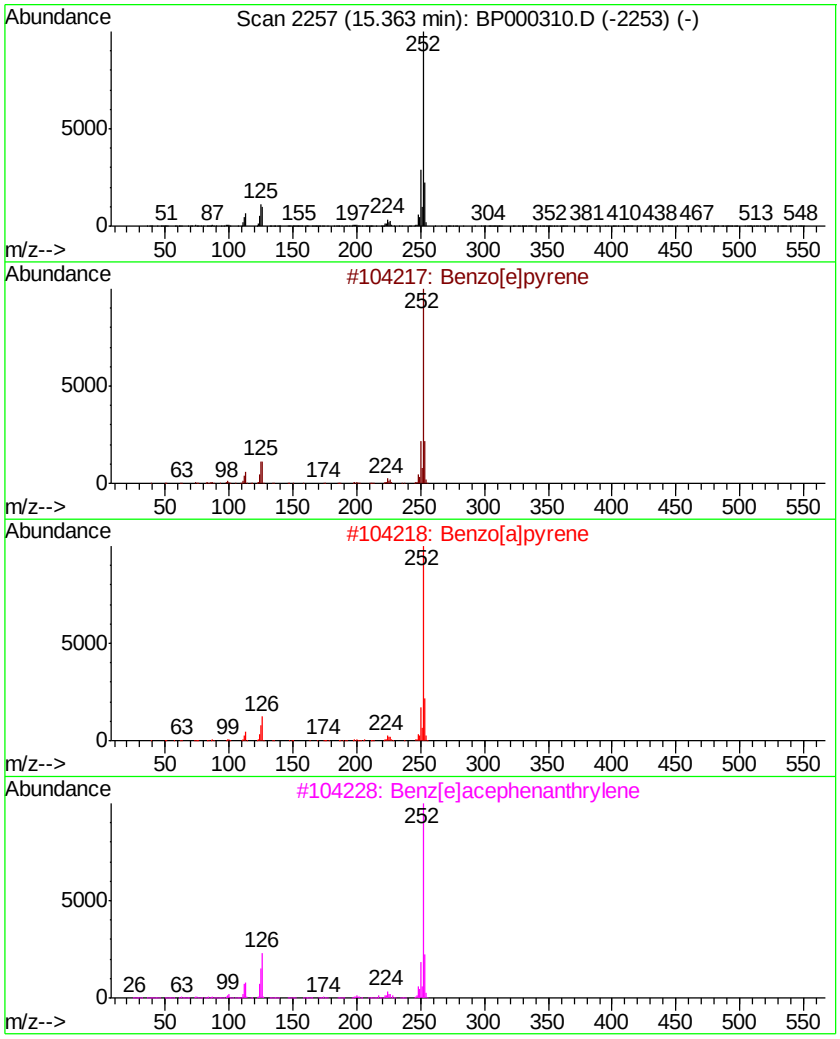
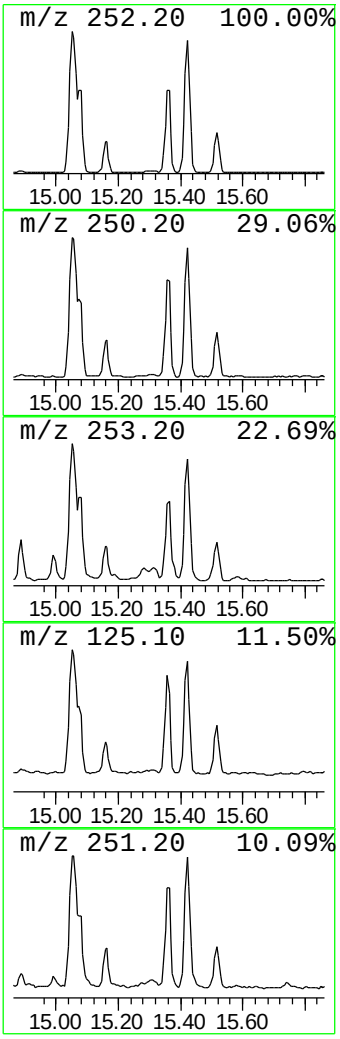
Peak Number 20 Benzo[e]pyrene Concentration Rank 6

R.T.	EstConc	Area	Relative to ISTD	R.T.
15.36	13.89 ng	1504200	Perylene-d12	15.49

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzo[e]pyrene	252	C20H12	000192-97-2	99
2	Benzo[a]pyrene	252	C20H12	000050-32-8	95
3	Benz[e]acephenanthrylene	252	C20H12	000205-99-2	93
4	Benzo[j]fluoranthene	252	C20H12	000205-82-3	93
5	Benzo[k]fluoranthene	252	C20H12	000207-08-9	93





Tentatively Identified Compound (LSC) summary

Data Path : Z:\SVOASRV\HPCHEM1\BNA_P\DATA\BP091819\
Data File : BP000310.D
Acq On : 18 Sep 2019 20:27
Operator : HP/JU
Sample : K4668-08 2X
Misc :
ALS Vial : 22 Sample Multiplier: 1

Instrument : BNA_P
ClientSampleId : SU-01-091719

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_P\METHODS\8270-BP091619.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
unknown6.56	6.56	32.1	ng	2756140	1	6.79	1716580	20.0
Hexadecane	10.28	2.6	ng	340364	3	9.83	2643940	20.0
2-Bromo dodecane	10.50	2.1	ng	282549	3	9.83	2643940	20.0
Tetradecane, 2,6,...	10.75	4.2	ng	552844	4	11.33	2662770	20.0
Tetradecane	11.20	2.2	ng	291958	4	11.33	2662770	20.0
Heptadecane	11.63	2.3	ng	306140	4	11.33	2662770	20.0
Hexadecanoic acid...	11.73	45.1	ng	6002390	4	11.33	2662770	20.0
Phenanthrene, 2-m...	11.86	2.1	ng	284716	4	11.33	2662770	20.0
unknown11.95	11.95	2.8	ng	376213	4	11.33	2662770	20.0
Phenanthrene, 2,5...	12.39	2.1	ng	279670	4	11.33	2662770	20.0
9,12-Octadecadien...	12.43	109.1	ng	14522800	4	11.33	2662770	20.0
13-Octadecenoic a...	12.46	112.8	ng	15012100	4	11.33	2662770	20.0
11H-Benzo[b]fluorene	13.10	2.9	ng	656369	5	14.00	4475520	20.0
Pyrene, 1-methyl-	13.12	2.6	ng	592691	5	14.00	4475520	20.0
11H-Benzo[a]fluorene	13.19	4.5	ng	1016300	5	14.00	4475520	20.0
Fluoranthene, 2-m...	13.22	2.0	ng	448067	5	14.00	4475520	20.0
Eicosanoic acid, ...	13.27	2.5	ng	561692	5	14.00	4475520	20.0
1-Dodecanol, 2-oc...	13.85	2.7	ng	604952	5	14.00	4475520	20.0
Benzo[e]pyrene	15.36	13.9	ng	1504200	6	15.49	2165760	20.0