LSC Area Percent Report

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF102918\
Data File : BF110285.D
Acq On : 30 Oct 2018 1:48
Operator : JU/SJ
Sample : J5685-07
Misc :
ALS Vial : 35 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : DOCUMENTATION-31

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_F\METHODS\8270-BF102318.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	2.299	31	36	44	rVB	245459	324223	16.62%	1.482%
2	5.204	526	530	539	rBV	54674	67804	3.48%	0.310%
3	5.593	592	596	609	rBV	1829906	1695122	86.91%	7.751%
4	6.593	761	766	779	rBV	1799376	1931340	99.02%	8.831%
5	6.740	787	791	794	rBV	2048857	1775006	91.00%	8.116%
6	6.969	826	830	835	rBV	721406	565220	28.98%	2.584%
7	7.128	853	857	860	rBV	1728235	1507420	77.28%	6.892%
8	7.534	921	926	935	rBV	1108312	1082151	55.48%	4.948%
9	8.251	1045	1048	1054	rBV	698736	651398	33.40%	2.978%
10	9.328	1227	1231	1240	rBV	2261858	1950519	100.00%	8.918%
11	9.716	1294	1297	1305	rVB	279253	247950	12.71%	1.134%
12	9.875	1319	1324	1329	rBV	28082	27823	1.43%	0.127%
13	10.010	1344	1347	1351	rBV	630753	610639	31.31%	2.792%
14	10.045	1351	1353	1359	rVB	59459	50495	2.59%	0.231%
15	10.563	1438	1441	1448	rVB	42145	42098	2.16%	0.192%
16	10.804	1478	1482	1488	rBV	824429	750577	38.48%	3.432%
17	10.898	1496	1498	1508	rVB7	13144	30056	1.54%	0.137%
18	11.116	1528	1535	1537	rBV4	14359	24082	1.23%	0.110%
19	11.351	1572	1575	1581	rBV5	20758	33008	1.69%	0.151%
20	11.404	1581	1584	1587	rVB	28641	24030	1.23%	0.110%
21	11.510	1598	1602	1604	rBV	563204	599190	30.72%	2.740%
22	11.533	1604	1606	1610	rVV	642749	503277	25.80%	2.301%
23	11.580	1612	1614	1618	rVV	124174	117401	6.02%	0.537%
24	11.739	1636	1641	1645	rBV2	37722	44866	2.30%	0.205%
25	12.010	1683	1687	1689	rBV	108131	101410	5.20%	0.464%
26	12.039	1689	1692	1696	rVV2	100033	96499	4.95%	0.441%
27	12.086	1697	1700	1702	rVV	36231	31587	1.62%	0.144%
28	12.122	1702	1706	1709	rVV2	119980	142348	7.30%	0.651%
29	12.186	1713	1717	1720	rBV5	22457	30160	1.55%	0.138%
30	12.304	1734	1737	1739	rBV	55745	47503	2.44%	0.217%
31	12.333	1739	1742	1745	rVB	54976	47008	2.41%	0.215%
32	12.557	1777	1780	1784	rBV3	40307	58222	2.98%	0.266%
33	12.651	1792	1796	1800	rBV3	37621	50520	2.59%	0.231%
34	12.727	1805	1809	1812	rBV	1055498	914501	46.89%	4.181%

LSC Area Percent Report

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Data File : BF110285.D
Acq On : 30 Oct 2018 1:48
Operator : JU/SJ
Sample : J5685-07
Misc :
ALS Vial : 35 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : DOCUMENTATION-31

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_F\METHODS\8270-BF102318.M
Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

35	12.957	1842	1848	1853	rBV	835533	902404	46.26%	4.126%
36	13.004	1853	1856	1862	rVV2	38484	46048	2.36%	0.211%
37	13.092	1867	1871	1874	rVV	1694163	1447789	74.23%	6.620%
38	13.116	1874	1875	1879	rVB	37077	28623	1.47%	0.131%
39	13.174	1881	1885	1889	rBV2	42609	78666	4.03%	0.360%
40	13.286	1897	1904	1910	rBV	108577	178217	9.14%	0.815%
41	13.351	1912	1915	1917	rBV	82045	67639	3.47%	0.309%
42	13.386	1917	1921	1924	rBV2	61478	85158	4.37%	0.389%
43	13.480	1935	1937	1940	rBV	40699	28549	1.46%	0.131%
44	13.763	1983	1985	1988	rBV4	33948	41077	2.11%	0.188%
45	13.792	1988	1990	1994	rVB	55732	61178	3.14%	0.280%
46	13.904	2007	2009	2012	rBV3	50025	47124	2.42%	0.215%
47	13.933	2012	2014	2016	rVB	56214	44346	2.27%	0.203%
48	13.974	2016	2021	2024	rBV3	132574	182269	9.34%	0.833%
49	14.157	2047	2052	2055	rBV2	565462	782387	40.11%	3.577%
50	14.180	2055	2056	2064	rVB	314179	250847	12.86%	1.147%
51	14.263	2068	2070	2072	rBV	54058	45260	2.32%	0.207%
52	15.074	2205	2208	2212	rVB2	180139	193832	9.94%	0.886%
53	15.233	2231	2235	2238	rBV	249148	360464	18.48%	1.648%
54	15.557	2287	2290	2295	rVB	132991	156155	8.01%	0.714%
55	15.621	2298	2301	2307	rVB	187725	237985	12.20%	1.088%
56	15.692	2308	2313	2316	rBV	216924	311329	15.96%	1.424%
57	16.139	2386	2389	2395	rVB2	81309	117836	6.04%	0.539%

Sum of corrected areas: 21870635

LSC Report - Integrated Chromatogram

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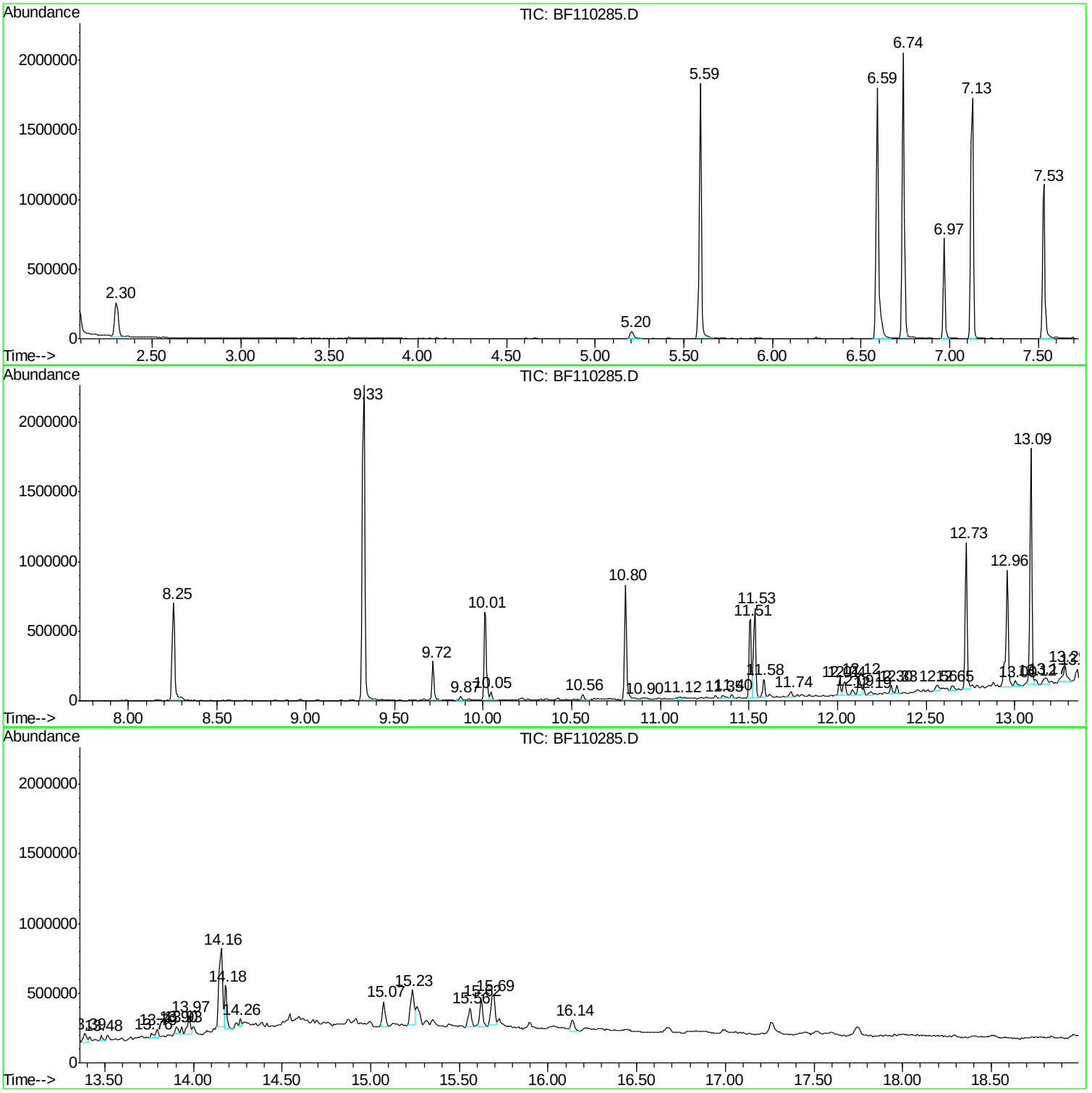
Instrument : BNA_F
ClientSampleId : DOCUMENTATION-31

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF102318.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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



Library Search Compound Report

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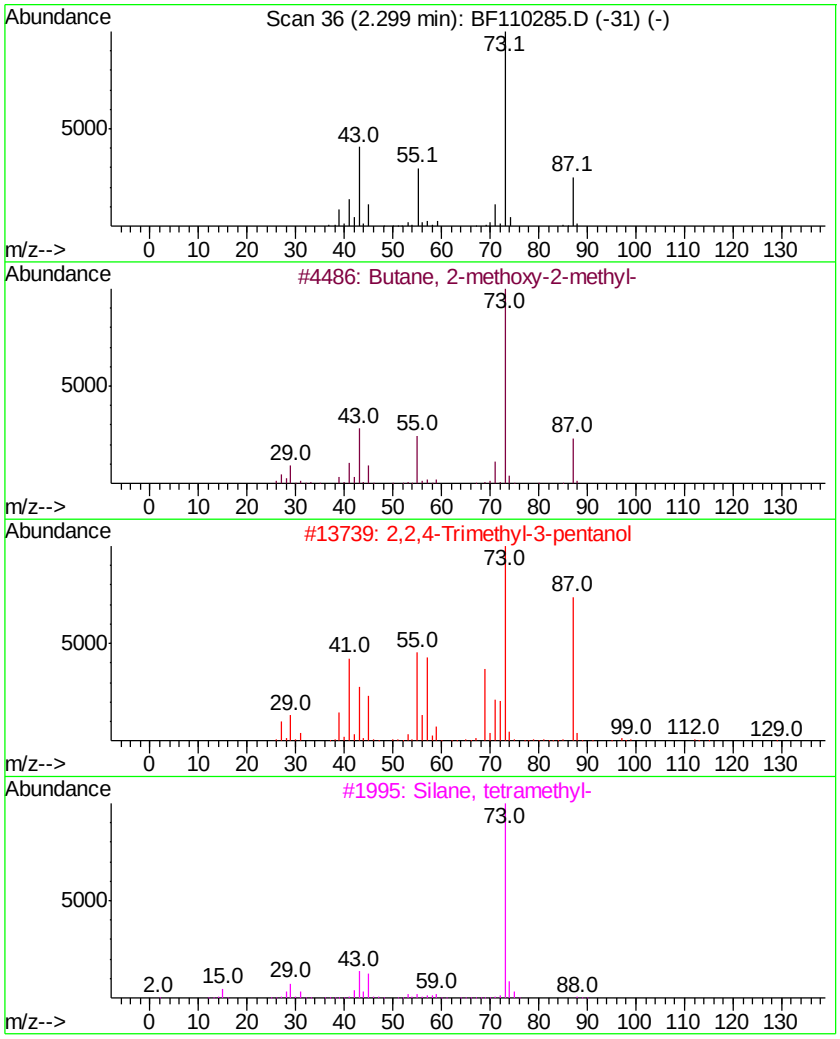
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

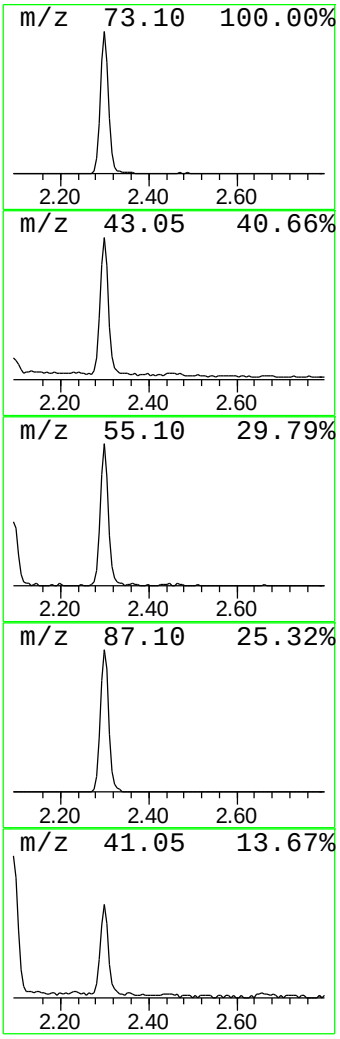
****

Peak Number 1 Butane, 2-methoxy-2-methyl- Concentration Rank 4

R.T.	EstConc	Area	Relative to ISTD	R.T.
2.30	11.47 ng	324223	1,4-Dichlorobenzene-d4	6.97

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Butane, 2-methoxy-2-methyl-	102	C6H14O	000994-05-8	83
2	2,2,4-Trimethyl-3-pentanol	130	C8H18O	005162-48-1	39
3	Silane, tetramethyl-	88	C4H12Si	000075-76-3	35
4	Pentane, 3-methoxy-	102	C6H14O	036839-67-5	12
5	1,3-Dioxolane, 2-methyl-	88	C4H8O2	000497-26-7	9





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Operator : JU/SJ
Sample : J5685-07
Misc :
ALS Vial : 35 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : DOCUMENTATION-31

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF102318.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

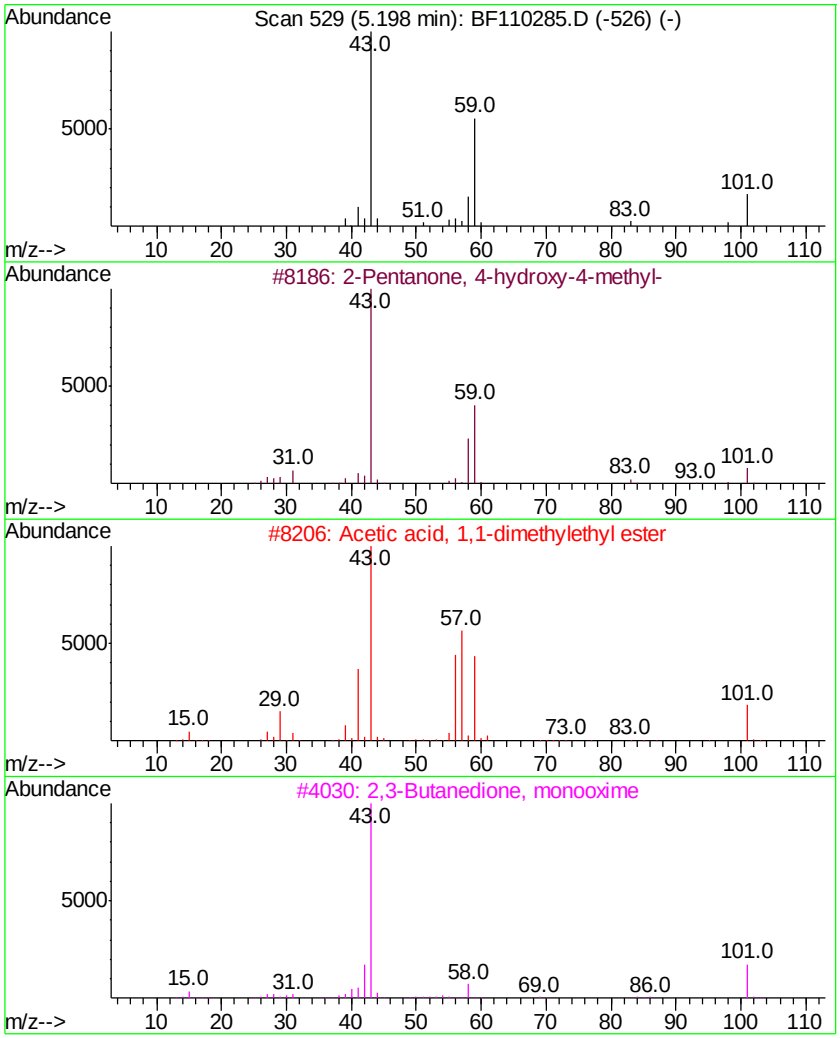
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

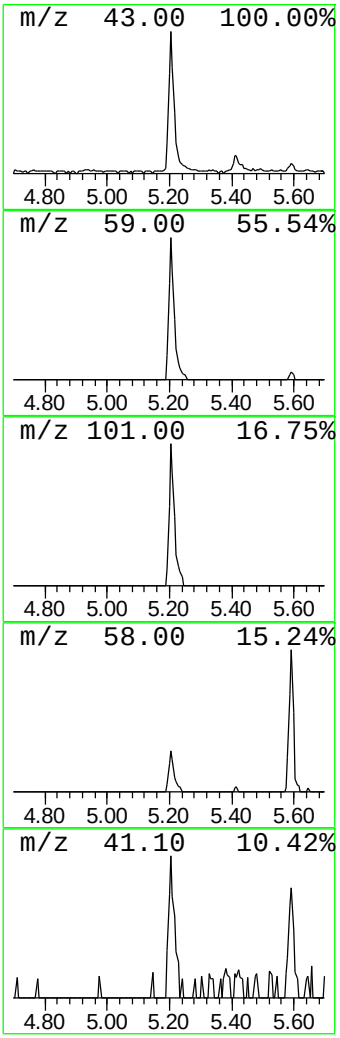
****

Peak Number 2 2-Pentanone, 4-hydroxy-4-me... Concentration Rank 12

R.T.	EstConc	Area	Relative to ISTD	R.T.
5.20	2.40 ng	67804	1,4-Dichlorobenzene-d4	6.97

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	2-Pentanone, 4-hydroxy-4-methyl-	116	C6H12O2	000123-42-2	56
2	Acetic acid, 1,1-dimethylethyl e...	116	C6H12O2	000540-88-5	39
3	2,3-Butanedione, monooxime	101	C4H7NO2	000057-71-6	25
4	2-Propyn-1-ol, acetate	98	C5H6O2	000627-09-8	9
5	5-Hexen-2-one	98	C6H10O	000109-49-9	9





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Misc :
ALS Vial : 35 Sample Multiplier: 1

Instrument : BNA_F
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Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF102318.M
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TIC Library : C:\DATABASE\NIST11.L
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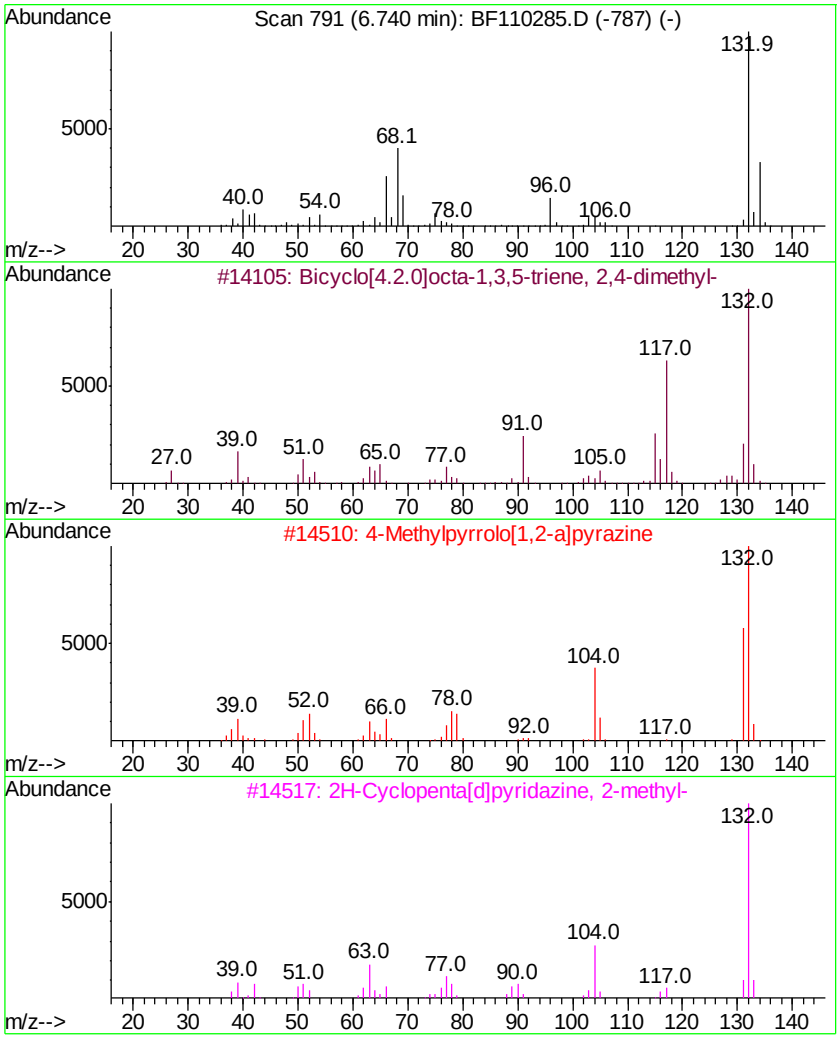
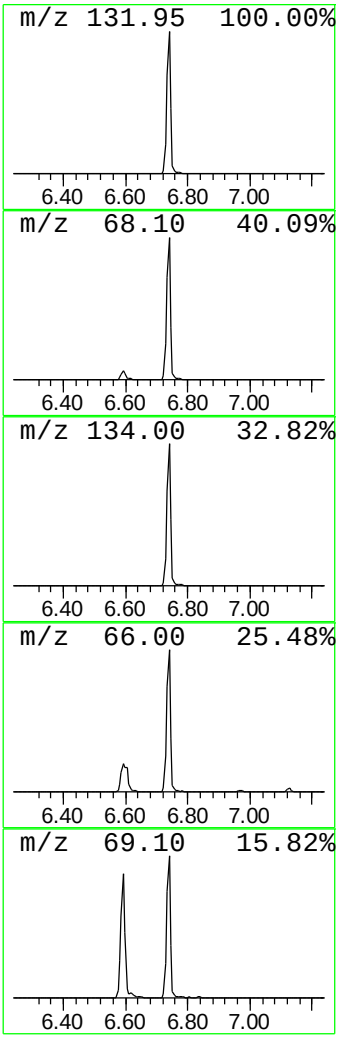
****

Peak Number 3 unknown6.74 Concentration Rank 1

R.T.	EstConc	Area	Relative to ISTD	R.T.
6.74	62.81 ng	1775010	1,4-Dichlorobenzene-d4	6.97

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Bicyclo[4.2.0]octa-1,3,5-triene,...	132	C10H12	028749-81-7	9
2	4-Methylpyrrolo[1,2-a]pyrazine	132	C8H8N2	064608-60-2	9
3	2H-Cyclopenta[d]pyridazine, 2-me...	132	C8H8N2	022291-85-6	9
4	(E)-3-Chloro-2-methyl-2-pentenal	132	C6H9ClO	031357-76-3	9
5	1-Methylpyrrolo[1,2-a]pyrazine	132	C8H8N2	064608-59-9	9





Library Search Compound Report

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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

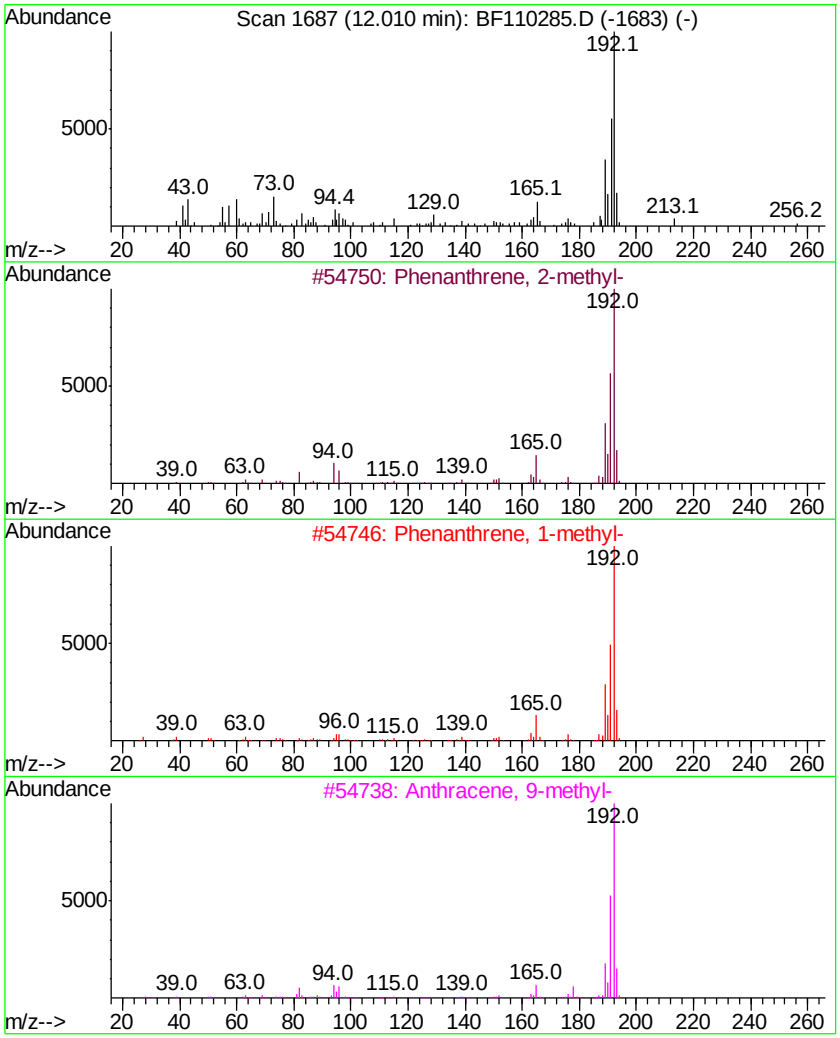
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

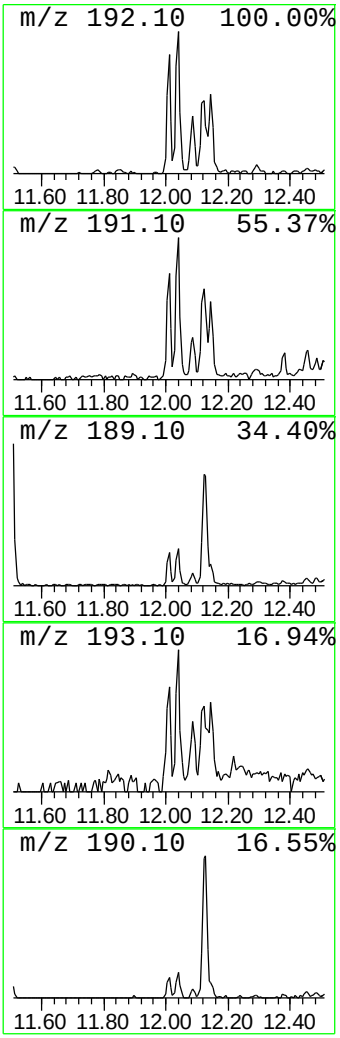
****

Peak Number 5 Phenanthrene, 2-methyl- Concentration Rank 10

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.01	3.38 ng	101410	Phenanthrene-d10	11.50

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	94
4	Anthracene, 2-methyl-	192	C15H12	000613-12-7	93
5	Phenanthrene, 4-methyl-	192	C15H12	000832-64-4	92





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Sample : J5685-07
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ALS Vial : 35 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : DOCUMENTATION-31

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF102318.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

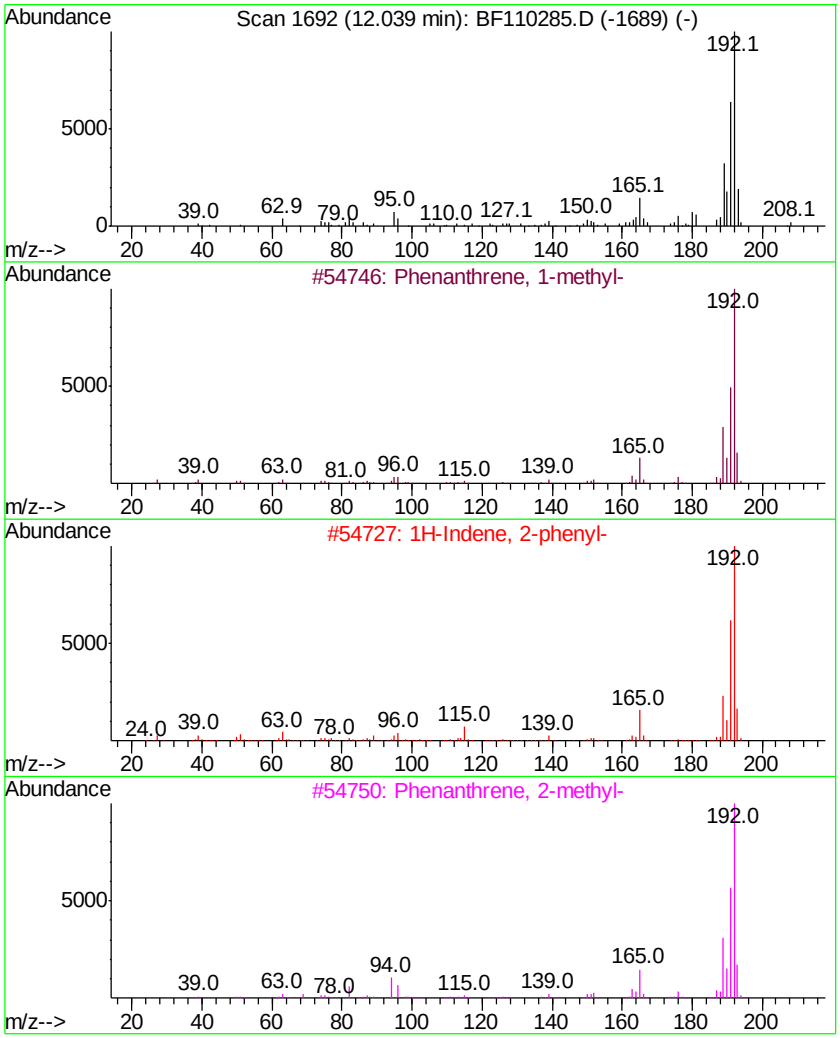
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

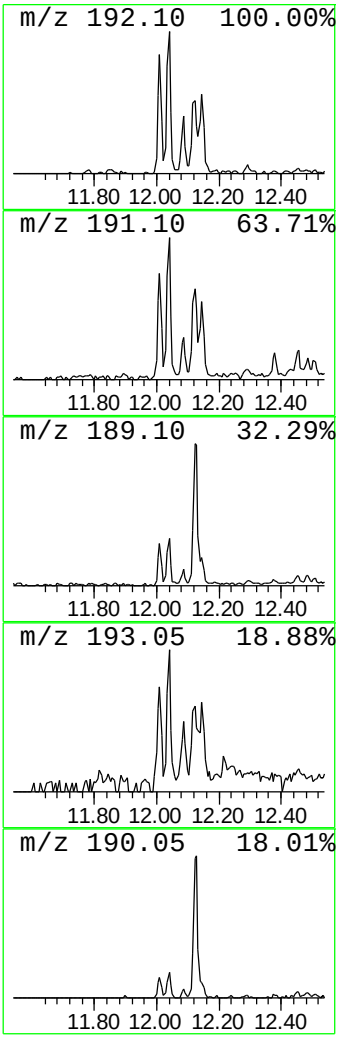
****

Peak Number 6 Phenanthrene, 1-methyl- Concentration Rank 11

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.04	3.22 ng	96499	Phenanthrene-d10	11.50

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Phenanthrene, 1-methyl-	192	C15H12	000832-69-9	96
2	1H-Indene, 2-phenyl-	192	C15H12	004505-48-0	93
3	Phenanthrene, 2-methyl-	192	C15H12	002531-84-2	91
4	1H-Cyclopropa[l]phenanthrene,1a,...	192	C15H12	000949-41-7	91
5	Anthracene, 2-methyl-	192	C15H12	000613-12-7	90





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Misc :
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Instrument : BNA_F
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Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF102318.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

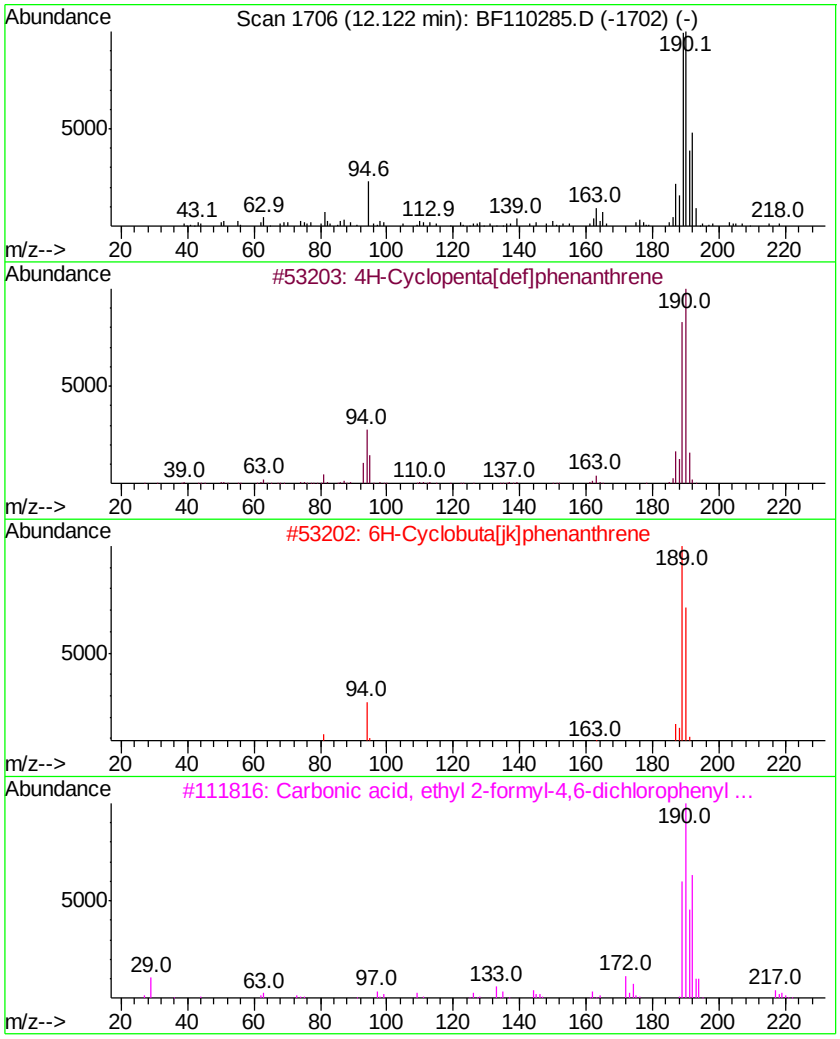
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

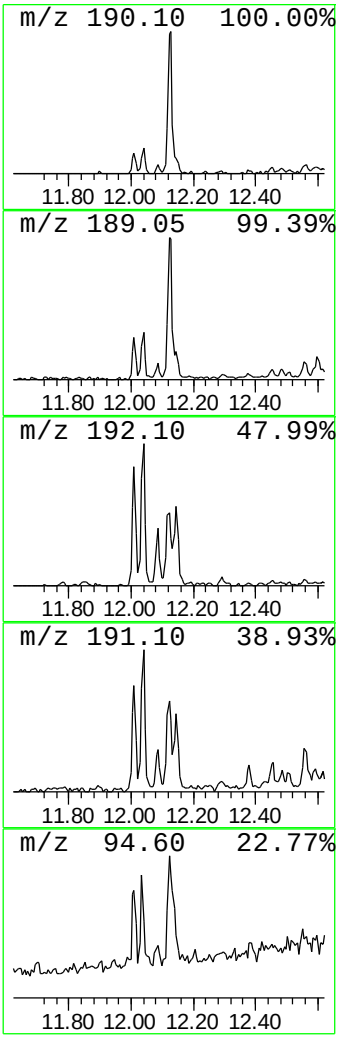
****

Peak Number 7 4H-Cyclopenta[def]phenanthrene Concentration Rank 7

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.12	4.75 ng	142348	Phenanthrene-d10	11.50

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	4H-Cyclopenta[def]phenanthrene	190	C15H10	000203-64-5	62
2	6H-Cyclobuta[jk]phenanthrene	190	C15H10	083469-43-6	53
3	Carbonic acid, ethyl 2-formyl-4,...	262	C10H8Cl2O4	1000331-34-4	40
4	4-(4-Methyl-piperidin-1-yl)-phen...	190	C12H18N2	342013-25-6	37
5	2,2'-Bis(4,5-dimethylimidazole)	190	C10H14N4	069286-06-2	37





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Instrument : BNA_F
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Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF102318.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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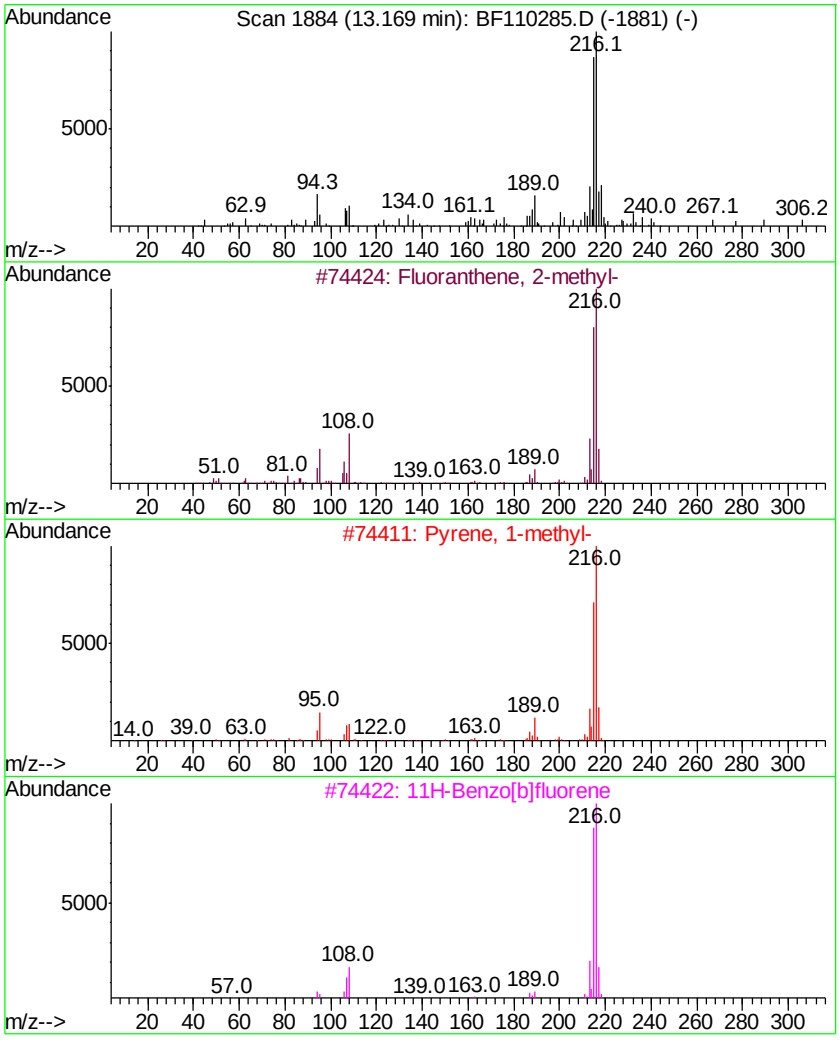
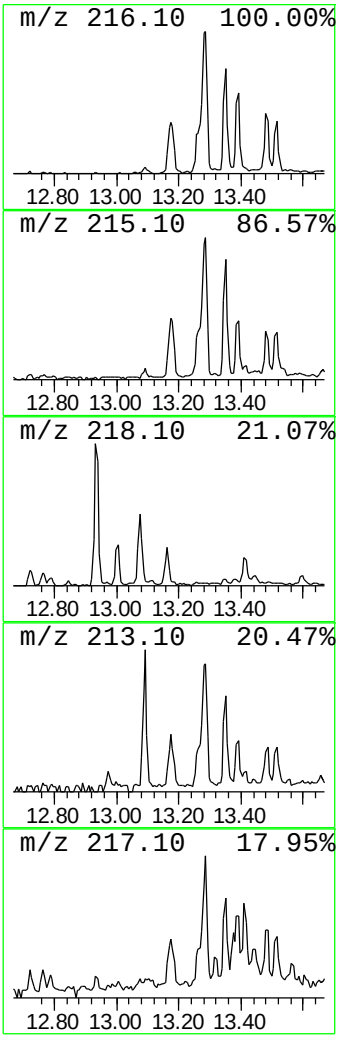
Peak Number 8 Fluoranthene, 2-methyl- Concentration Rank 14

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.17	2.01 ng	78666	Chrysene-d12	14.16

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Fluoranthene, 2-methyl-	216	C17H12	033543-31-6	95
2	Pyrene, 1-methyl-	216	C17H12	002381-21-7	90
3	11H-Benzo[b]fluorene	216	C17H12	000243-17-4	81
4	11H-Benzo[a]fluorene	216	C17H12	000238-84-6	64
5	7H-Benzo[c]fluorene	216	C17H12	000205-12-9	59





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TIC Integration Parameters: LSCINT.P

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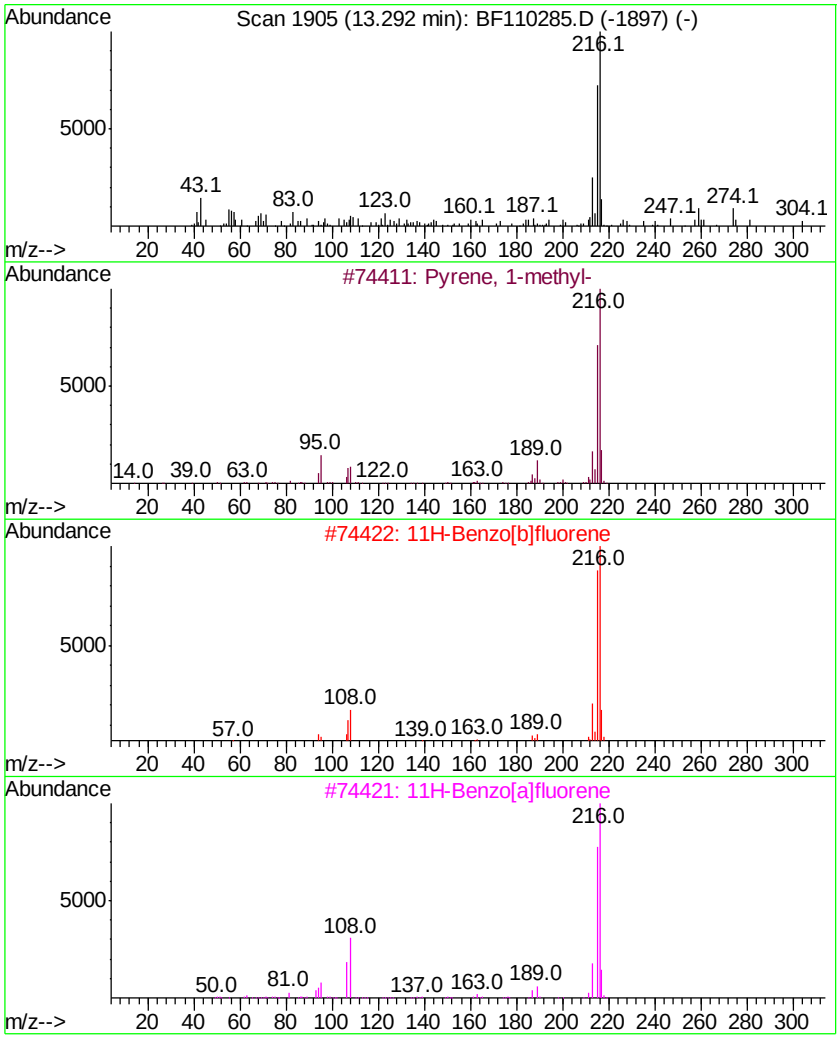
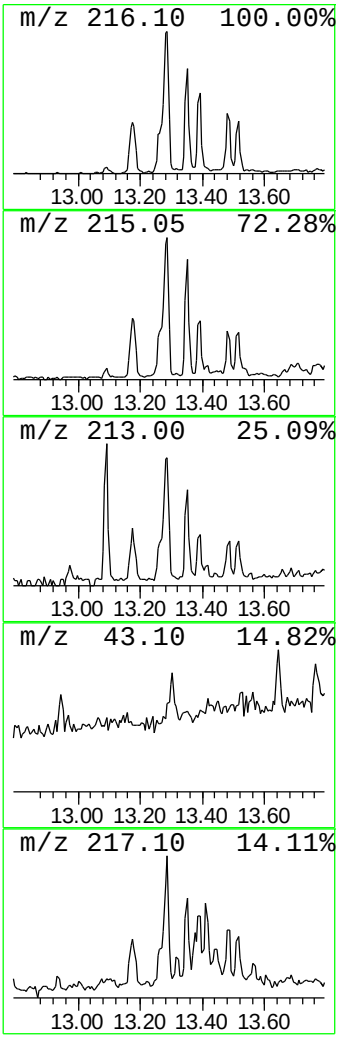
Peak Number 9 Pyrene, 1-methyl- Concentration Rank 9

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.29	4.56 ng	178217	Chrysene-d12	14.16

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Pyrene, 1-methyl-	216	C17H12	002381-21-7	93
2	11H-Benzo[b]fluorene	216	C17H12	000243-17-4	90
3	11H-Benzo[a]fluorene	216	C17H12	000238-84-6	87
4	7H-Benzo[c]fluorene	216	C17H12	000205-12-9	83
5	Fluoranthene, 2-methyl-	216	C17H12	033543-31-6	81





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Acq On : 30 Oct 2018 1:48
Operator : JU/SJ
Sample : J5685-07
Misc :
ALS Vial : 35 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : DOCUMENTATION-31

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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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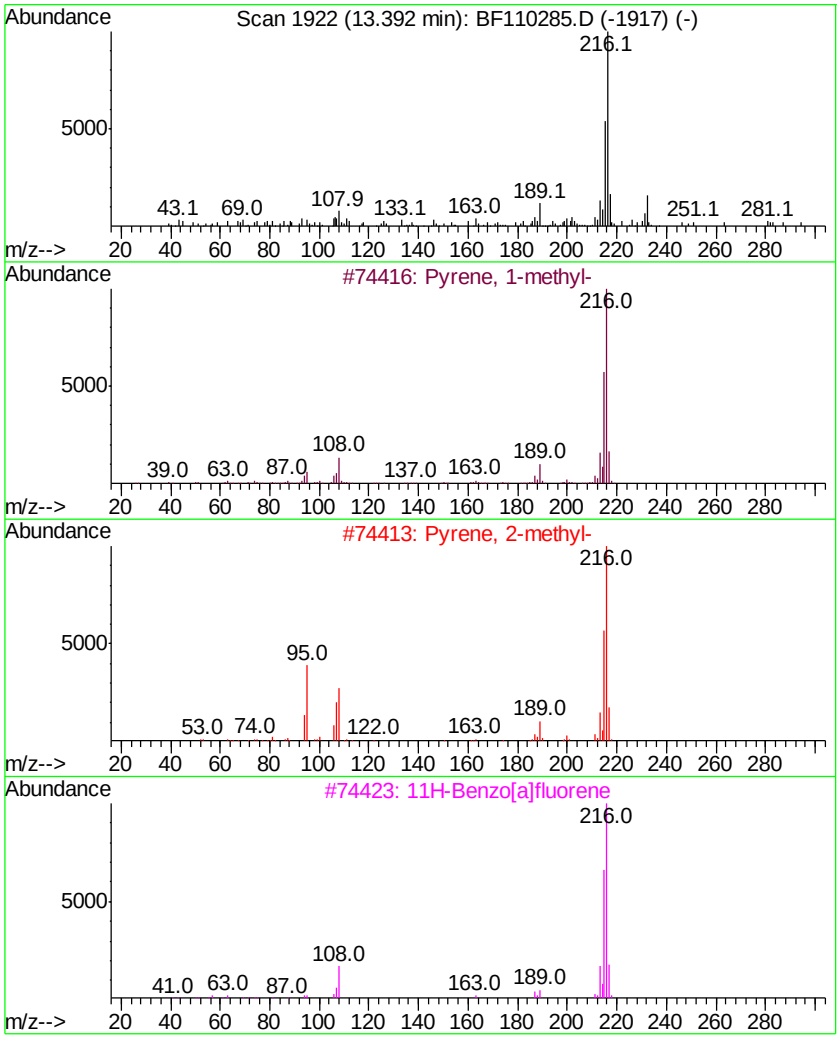
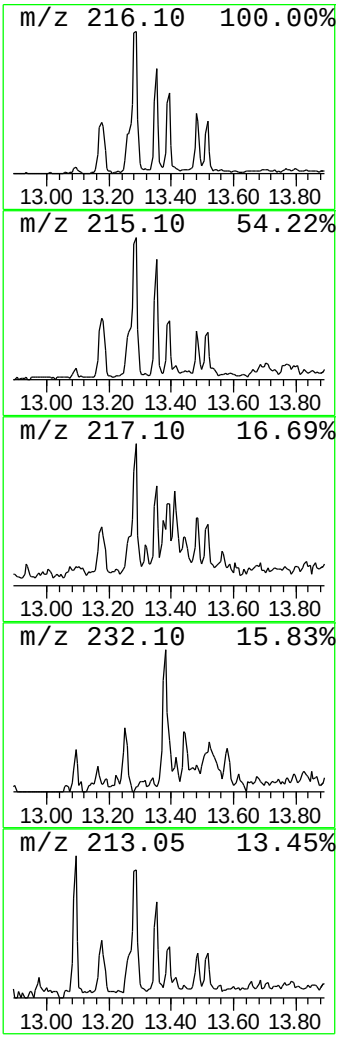
Peak Number 10 Pyrene, 2-methyl- Concentration Rank 13

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.39	2.18 ng	85158	Chrysene-d12	14.16

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Pyrene, 1-methyl-	216	C17H12	002381-21-7	93
2	Pyrene, 2-methyl-	216	C17H12	003442-78-2	90
3	11H-Benzo[a]fluorene	216	C17H12	000238-84-6	89
4	Fluoranthene, 2-methyl-	216	C17H12	033543-31-6	70
5	11H-Benzo[b]fluorene	216	C17H12	000243-17-4	68





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TIC Library : C:\DATABASE\NIST11.L
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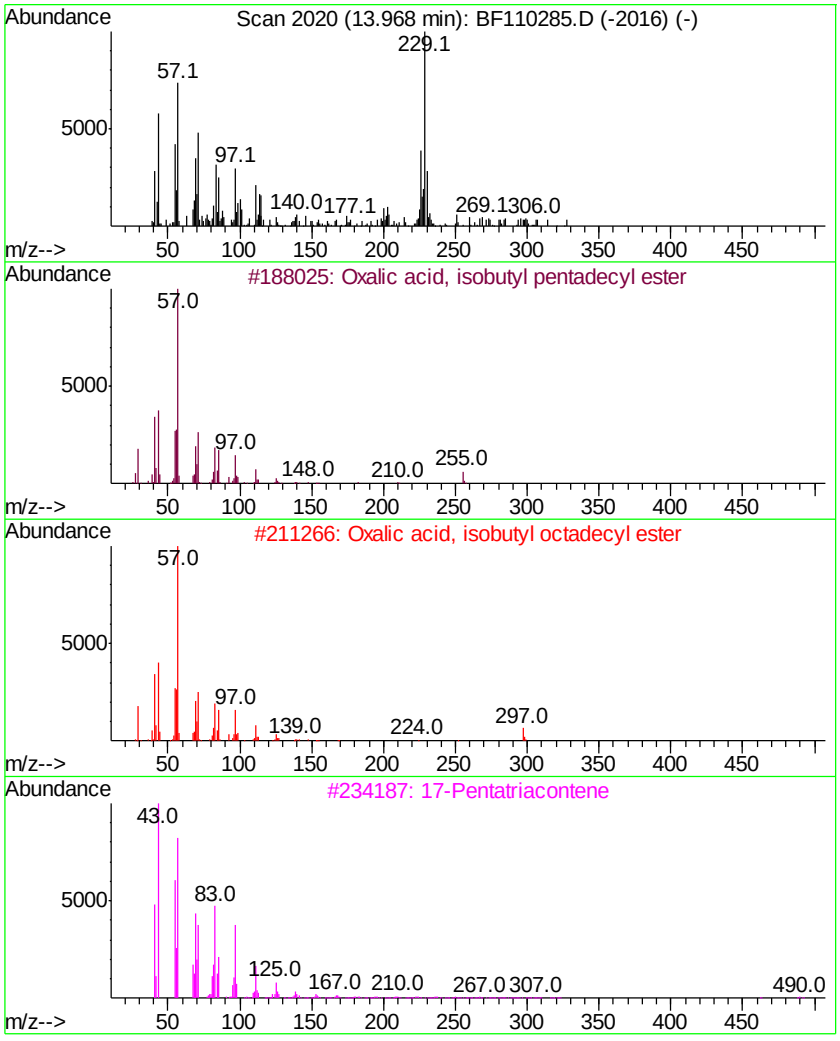
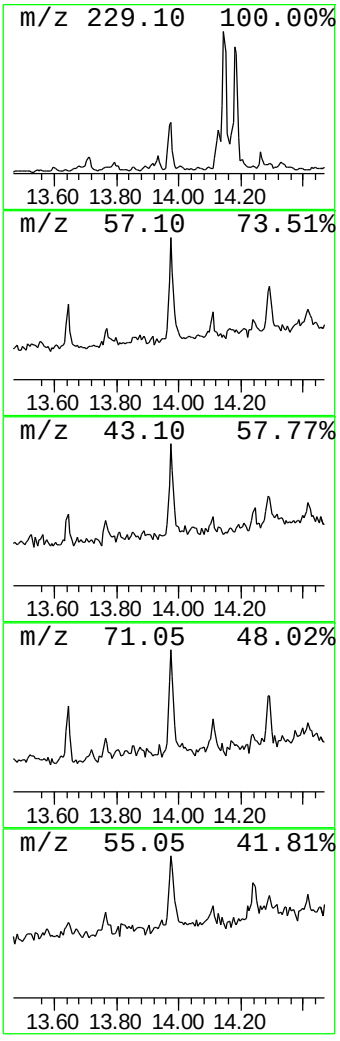
Peak Number 11 unknown13.97 Concentration Rank 8

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.97	4.66 ng	182269	Chrysene-d12	14.16

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Oxalic acid, isobutyl pentadecyl...	356	C21H40O4	1000309-38-0	49
2	Oxalic acid, isobutyl octadecyl ...	398	C24H46O4	1000309-38-3	49
3	17-Pentatriacontene	491	C35H70	006971-40-0	45
4	Ethanol, 2-(tetradecyloxy)-	258	C16H34O2	002136-70-1	45
5	Heptadecyl heptafluorobutyrate	452	C21H35F7O2	959085-66-6	41





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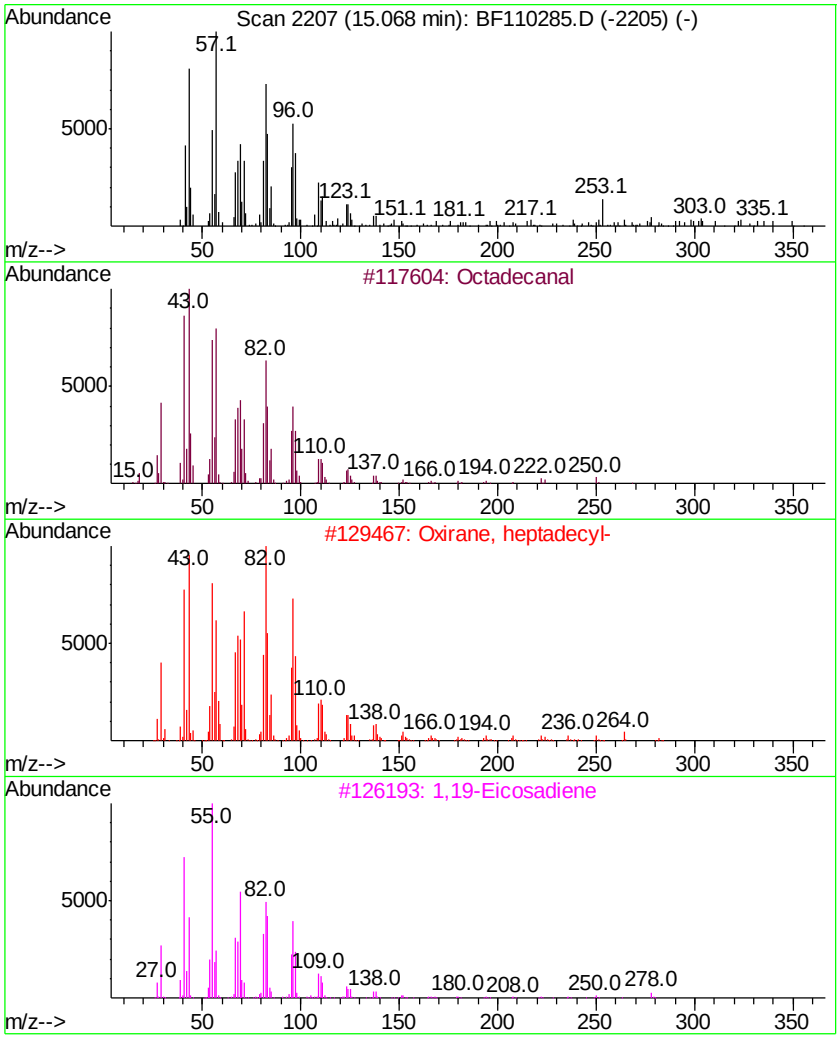
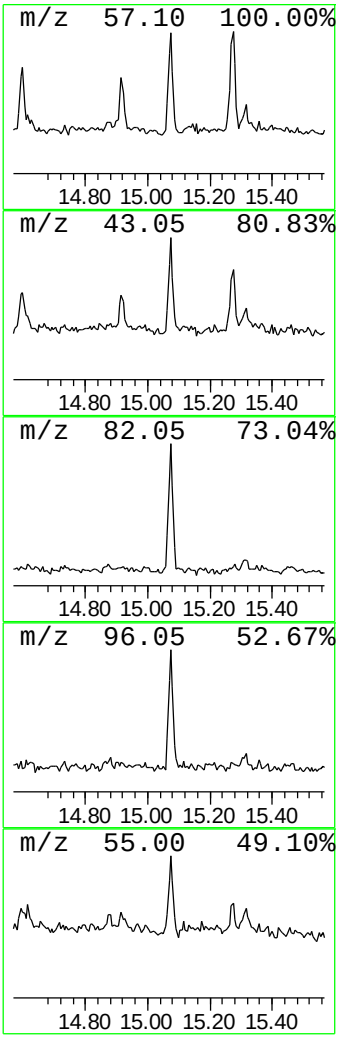
Peak Number 12 Octadecanal Concentration Rank 3

R.T.	EstConc	Area	Relative to ISTD	R.T.
15.07	12.45 ng	193832	Perylene-d12	15.69

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Octadecanal	268	C18H36O	000638-66-4	94
2	Oxirane, heptadecyl-	282	C19H38O	067860-04-2	94
3	1,19-Eicosadiene	278	C20H38	014811-95-1	93
4	Heptadecanal	254	C17H34O	1000376-70-0	90
5	Tetradecanal	212	C14H28O	000124-25-4	86





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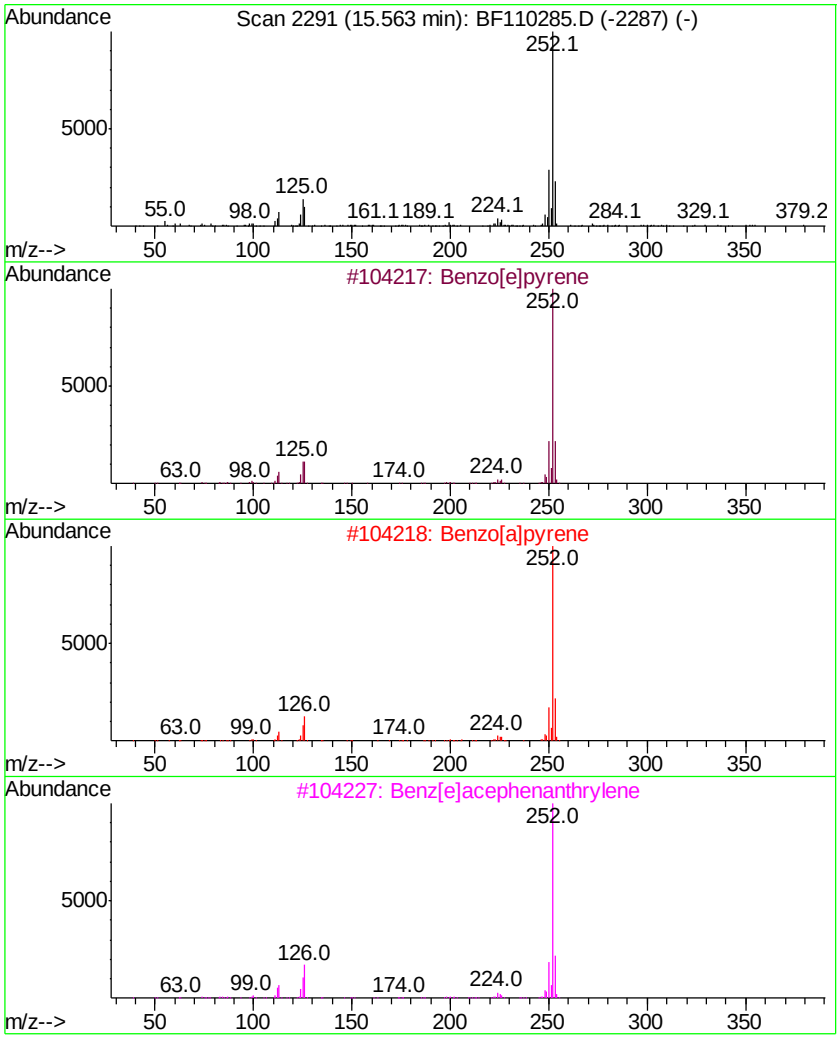
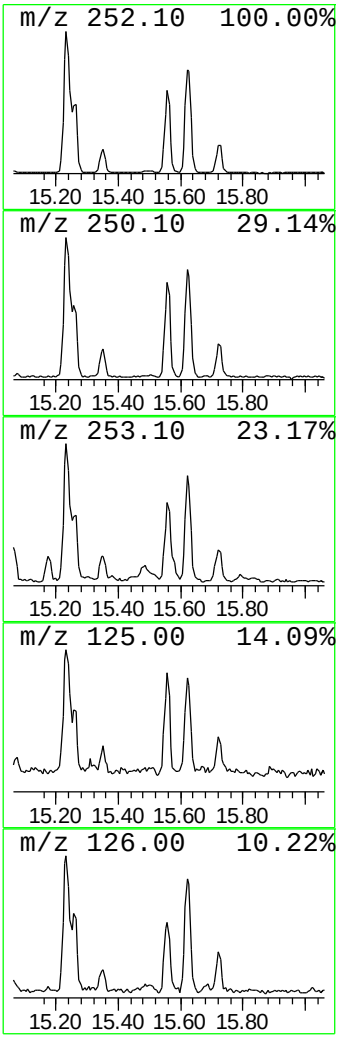
Peak Number 13 Benzo[e]pyrene Concentration Rank 5

R.T.	EstConc	Area	Relative to ISTD	R.T.
15.56	10.03 ng	156155	Perylene-d12	15.69

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	94
3	Benz[e]acephenanthrylene	252	C20H12	000205-99-2	94
4	Benzo[k]fluoranthene	252	C20H12	000207-08-9	94
5	Benzo[j]fluoranthene	252	C20H12	000205-82-3	93





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Sample : J5685-07
Misc :
ALS Vial : 35 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : DOCUMENTATION-31

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF102318.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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TIC Integration Parameters: LSCINT.P

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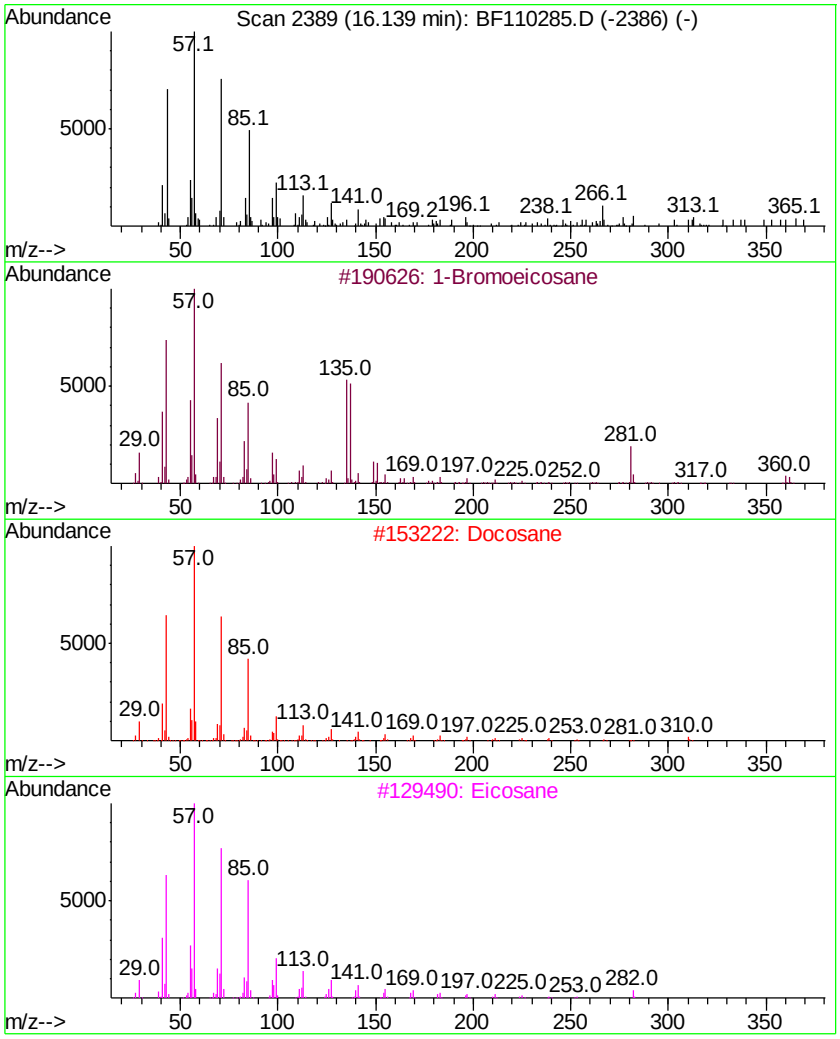
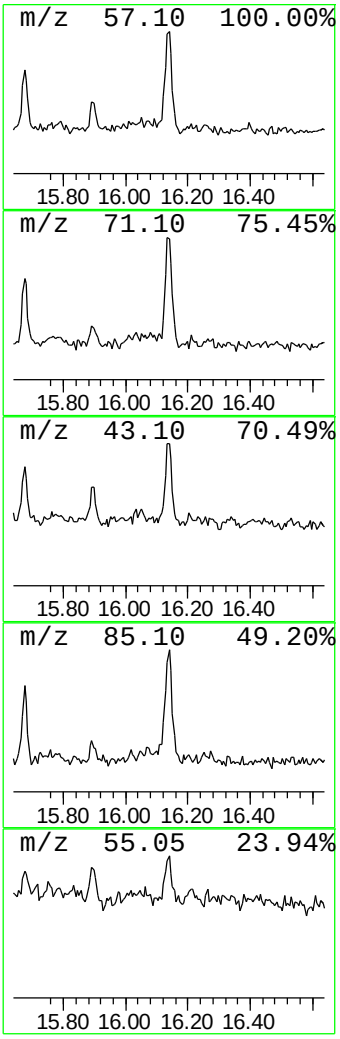
Peak Number 14 1-Bromoeicosane Concentration Rank 6

R.T.	EstConc	Area	Relative to ISTD	R.T.
16.14	7.57 ng	117836	Perylene-d12	15.69

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	1-Bromoeicosane	360	C20H41Br	004276-49-7	89
2	Docosane	310	C22H46	000629-97-0	70
3	Eicosane	282	C20H42	000112-95-8	70
4	Pentacosane	352	C25H52	000629-99-2	68
5	Tridecane, 3-methyl-	198	C14H30	006418-41-3	64





Tentatively Identified Compound (LSC) summary

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Misc :
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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
Butane, 2-methoxy...	2.30	11.5	ng	324223	1	6.97	565220	20.0
2-Pentanone, 4-hy...	5.20	2.4	ng	67804	1	6.97	565220	20.0
unknown6.74	6.74	62.8	ng	1775010	1	6.97	565220	20.0
Phenanthrene, 2-m...	12.01	3.4	ng	101410	4	11.50	599190	20.0
Phenanthrene, 1-m...	12.04	3.2	ng	96499	4	11.50	599190	20.0
4H-Cyclopenta[def...	12.12	4.8	ng	142348	4	11.50	599190	20.0
Fluoranthene, 2-m...	13.17	2.0	ng	78666	5	14.16	782387	20.0
Pyrene, 1-methyl-	13.29	4.6	ng	178217	5	14.16	782387	20.0
Pyrene, 2-methyl-	13.39	2.2	ng	85158	5	14.16	782387	20.0
unknown13.97	13.97	4.7	ng	182269	5	14.16	782387	20.0
Octadecanal	15.07	12.4	ng	193832	6	15.69	311329	20.0
Benzo[e]pyrene	15.56	10.0	ng	156155	6	15.69	311329	20.0
1-Bromoeicosane	16.14	7.6	ng	117836	6	15.69	311329	20.0