LSC Area Percent Report

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF120719\
Data File : BF118139.D
Acq On : 7 Dec 2019 19:54
Operator : JU
Sample : K6147-08
Misc :
ALS Vial : 20 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : P001-WC008

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-BF120619.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	2.469	55	65	74	rVB	99140	146927	5.15%	0.452%
2	5.069	503	507	519	rVB	342571	403041	14.14%	1.239%
3	5.451	568	572	573	rBV	57766	53803	1.89%	0.165%
4	5.481	573	577	580	rVV	2275679	1980132	69.46%	6.088%
5	5.710	612	616	619	rVB	48599	44358	1.56%	0.136%
6	6.498	745	750	769	rVB	2359072	2239521	78.56%	6.885%
7	6.634	769	773	777	rBV	2620318	2412871	84.64%	7.418%
8	6.698	780	784	789	rVB3	49984	48801	1.71%	0.150%
9	6.863	809	812	819	rBV	785687	672109	23.58%	2.066%
10	7.022	835	839	842	rBV	2310535	1886551	66.18%	5.800%
11	7.428	904	908	911	rBV	1511500	1385217	48.59%	4.259%
12	7.540	924	927	932	rVB	41659	37919	1.33%	0.117%
13	8.151	1028	1031	1034	rBV	1040403	871572	30.57%	2.680%
14	8.175	1034	1035	1043	rVB	88072	56079	1.97%	0.172%
15	8.869	1150	1153	1160	rVB	119876	101210	3.55%	0.311%
16	8.969	1167	1170	1173	rVB	53172	44165	1.55%	0.136%
17	9.234	1210	1215	1218	rBV	3152422	2850841	100.00%	8.765%
18	9.328	1229	1231	1237	rVB	46314	46729	1.64%	0.144%
19	9.622	1278	1281	1285	rBV	248870	203766	7.15%	0.626%
20	9.669	1285	1289	1294	rVV3	47069	55802	1.96%	0.172%
21	9.775	1304	1307	1311	rBV	38128	35928	1.26%	0.110%
22	9.916	1324	1331	1334	rBV	1150816	1074642	37.70%	3.304%
23	9.945	1334	1336	1340	rVB	140927	106828	3.75%	0.328%
24	10.116	1361	1365	1369	rVB	90656	87845	3.08%	0.270%
25	10.463	1420	1424	1428	rBV	115062	99341	3.48%	0.305%
26	10.704	1461	1465	1476	rVB	2065524	1858563	65.19%	5.714%
27	10.816	1481	1484	1485	rBV	49808	44082	1.55%	0.136%
28	10.833	1485	1487	1488	rVV	96666	73385	2.57%	0.226%
29	10.851	1488	1490	1493	rVB	150374	109039	3.82%	0.335%
30	10.886	1493	1496	1498	rBV	139209	130231	4.57%	0.400%
31	10.916	1498	1501	1504	rVV2	180988	196607	6.90%	0.604%
32	10.951	1504	1507	1509	rVV	172689	134083	4.70%	0.412%
33	10.975	1509	1511	1514	rVB	93880	62276	2.18%	0.191%
34	11.016	1514	1518	1520	rBV3	62005	100758	3.53%	0.310%

LSC Area Percent Report

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Operator : JU
Sample : K6147-08
Misc :
ALS Vial : 20 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : P001-WC008

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-BF120619.M
Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

35	11.063	1523	1526	1530	rVB3	157215	162083	5.69%	0.498%
36	11.098	1530	1532	1534	rBV	122562	100990	3.54%	0.310%
37	11.139	1538	1539	1545	rVB	90381	75722	2.66%	0.233%
38	11.210	1547	1551	1554	rBV3	49195	61545	2.16%	0.189%
39	11.263	1557	1560	1563	rBV3	127302	115292	4.04%	0.354%
40	11.357	1572	1576	1578	rVB3	34507	44677	1.57%	0.137%
41	11.404	1581	1584	1586	rVV	1075029	937724	32.89%	2.883%
42	11.428	1586	1588	1592	rVV	667076	559491	19.63%	1.720%
43	11.480	1594	1597	1600	rVB	124568	98964	3.47%	0.304%
44	11.639	1618	1624	1628	rBV2	68546	102455	3.59%	0.315%
45	11.739	1639	1641	1646	rVB3	21544	30451	1.07%	0.094%
46	11.863	1659	1662	1664	rBV3	29389	31473	1.10%	0.097%
47	11.892	1664	1667	1668	rVV2	64123	52742	1.85%	0.162%
48	11.933	1671	1674	1678	rVV2	699112	683460	23.97%	2.101%
49	11.986	1681	1683	1686	rVV2	47675	51522	1.81%	0.158%
50	12.022	1686	1689	1691	rVV2	137688	132018	4.63%	0.406%
51	12.045	1691	1693	1698	rVB	54604	50013	1.75%	0.154%
52	12.104	1700	1703	1705	rBV3	27870	30580	1.07%	0.094%
53	12.204	1718	1720	1722	rBV	99328	79232	2.78%	0.244%
54	12.233	1722	1725	1728	rVB2	68323	64379	2.26%	0.198%
55	12.339	1739	1743	1744	rBV4	23031	31863	1.12%	0.098%
56	12.457	1761	1763	1766	rBV	48281	48889	1.71%	0.150%
57	12.492	1767	1769	1772	rVB4	44560	38619	1.35%	0.119%
58	12.539	1774	1777	1782	rVB2	102206	117408	4.12%	0.361%
59	12.622	1788	1791	1795	rBV	984853	950277	33.33%	2.922%
60	12.716	1804	1807	1813	rBV2	314881	341543	11.98%	1.050%
61	12.857	1825	1831	1834	rBV	822637	940107	32.98%	2.890%
62	12.904	1837	1839	1843	rVB3	63139	77935	2.73%	0.240%
63	12.998	1851	1855	1858	rBV	2584963	2146895	75.31%	6.601%
64	13.180	1884	1886	1891	rVB2	115186	159121	5.58%	0.489%
65	13.251	1896	1898	1900	rVB	78806	59402	2.08%	0.183%
66	13.286	1902	1904	1907	rVB2	70518	61765	2.17%	0.190%
67	13.621	1959	1961	1966	rVB	97811	85475	3.00%	0.263%
68	13.892	2004	2007	2014	rVB2	349006	452050	15.86%	1.390%
69	14.057	2028	2035	2038	rBV3	930881	1458787	51.17%	4.485%
70	14.080	2038	2039	2042	rVB	342835	265847	9.33%	0.817%
71	15.116	2211	2215	2218	rBV	367830	561030	19.68%	1.725%

LSC Area Percent Report

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Misc :
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Instrument : BNA_F
ClientSampleId : P001-WC008

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

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Peak separation: 5

Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF120619.M
Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

72	15.486	2275	2278	2285	rVV	274714	465174	16.32%	1.430%
73	15.557	2286	2290	2309	rVB2	575050	1143678	40.12%	3.516%

Sum of corrected areas: 32525700

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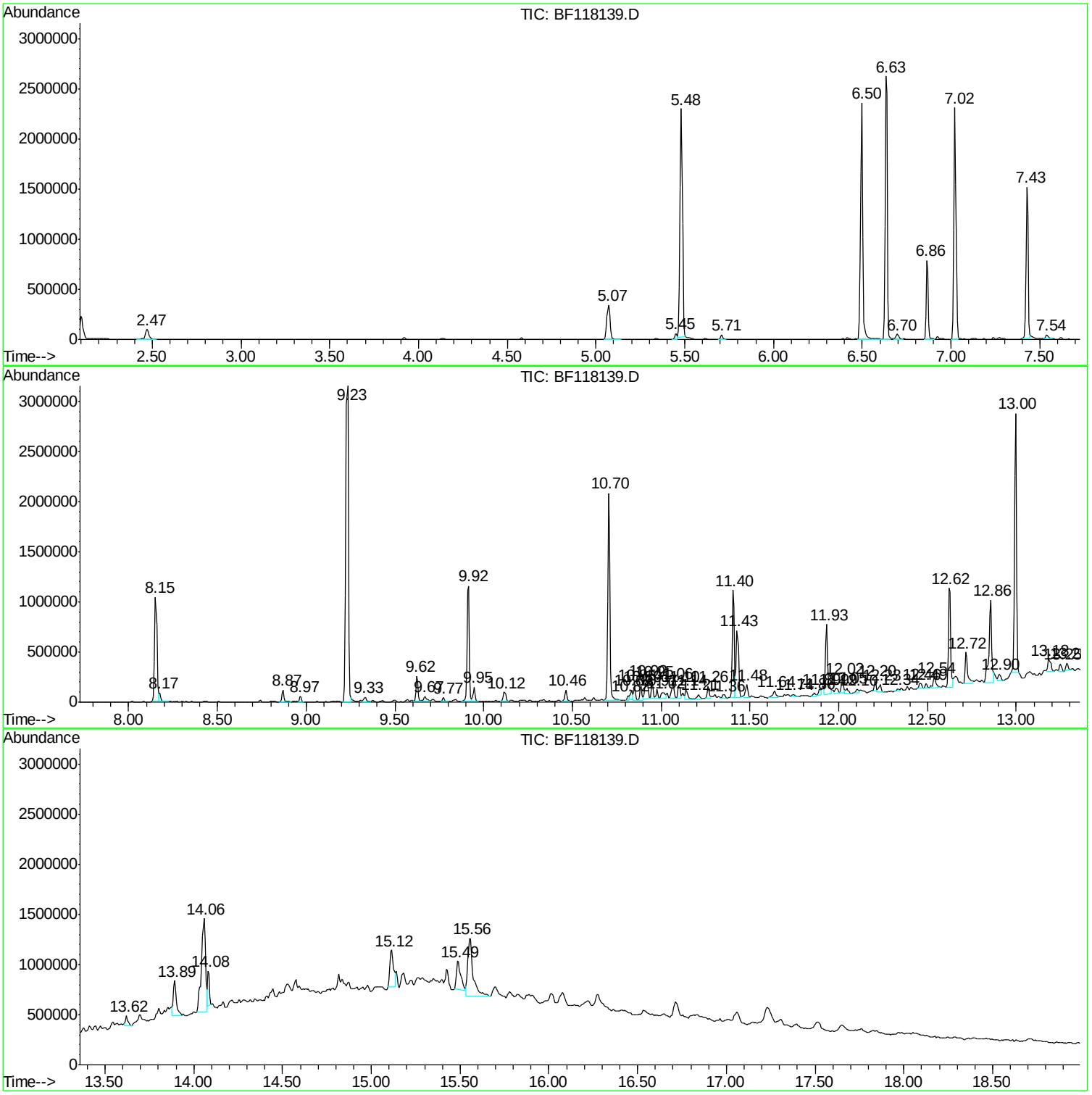
ALS Vial : 20 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : P001-WC008

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF120619.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

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF120719\
Data File : BF118139.D
Acq On : 7 Dec 2019 19:54
Operator : JU
Sample : K6147-08
Misc :
ALS Vial : 20 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : P001-WC008

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF120619.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

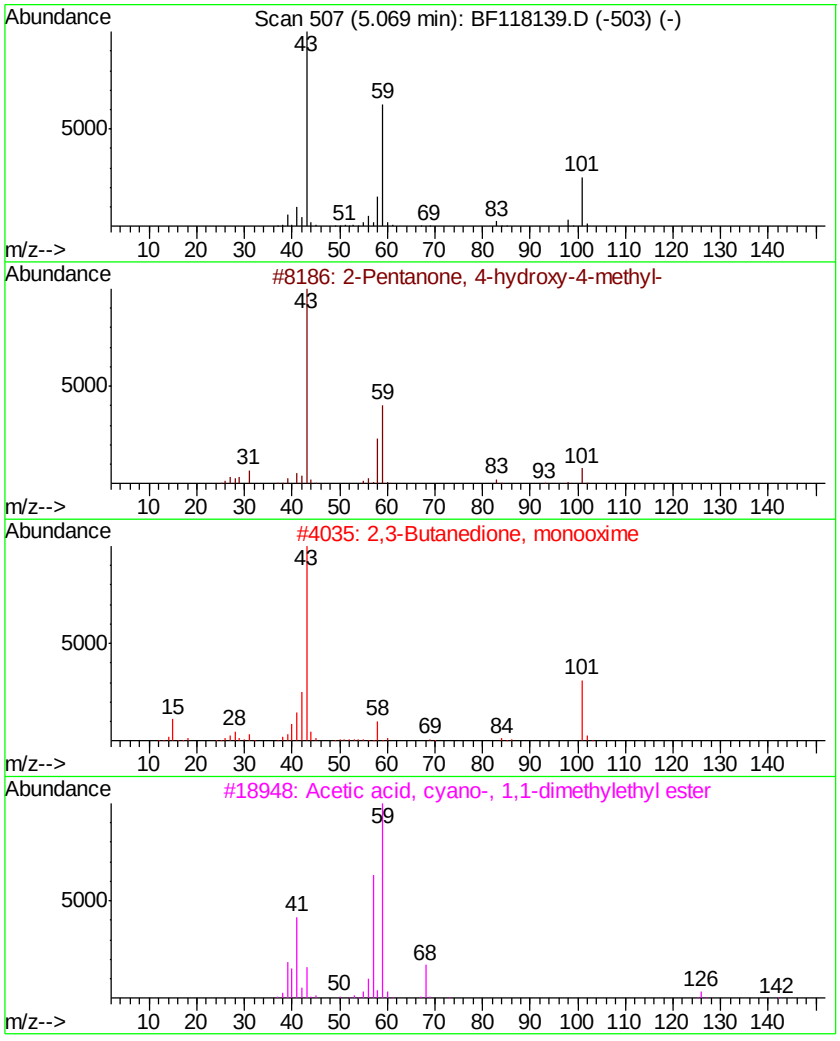
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

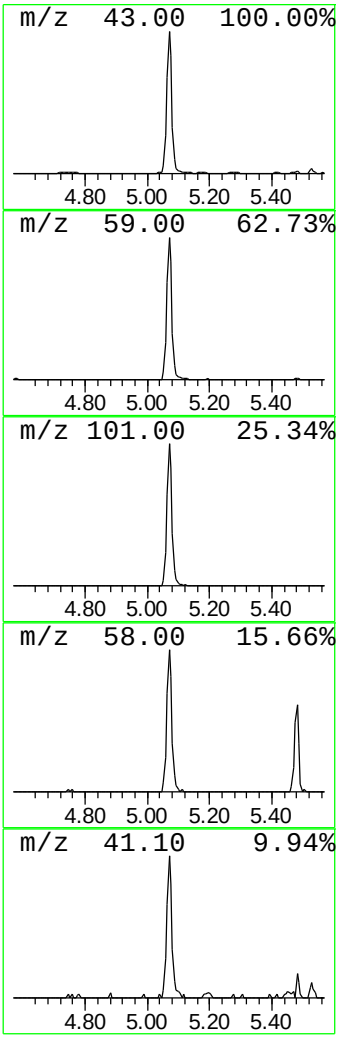
****

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

R.T.	EstConc	Area	Relative to ISTD	R.T.
5.07	11.99 ng	403041	1,4-Dichlorobenzene-d4	6.86

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	2-Pentanone, 4-hydroxy-4-methyl-	116	C6H12O2	000123-42-2	56
2	2,3-Butanedione, monooxime	101	C4H7NO2	000057-71-6	25
3	Acetic acid, cyano-, 1,1-dimethy...	141	C7H11NO2	001116-98-9	17
4	Acetone	58	C3H6O	000067-64-1	10
5	(+-)-4-Amino-4,5-dihydro-2(3H)-f...	101	C4H7NO2	016504-58-8	9





Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF120719\
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Operator : JU
Sample : K6147-08
Misc :
ALS Vial : 20 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : P001-WC008

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF120619.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

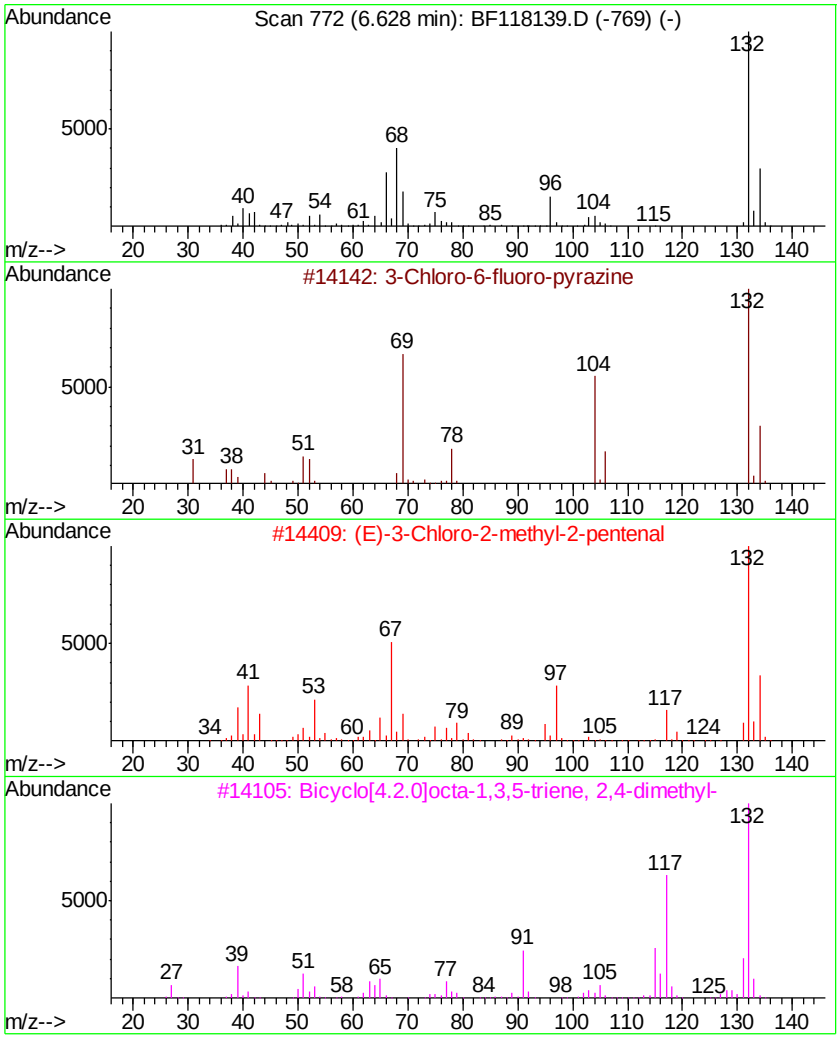
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

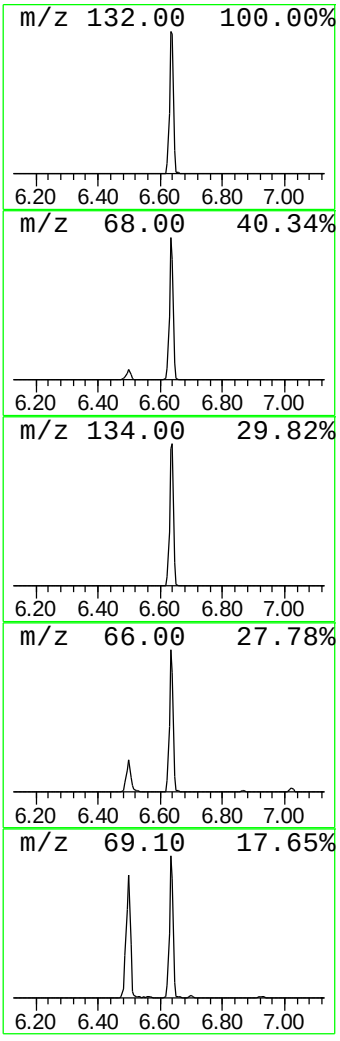
****

Peak Number 3 unknown6.63 Concentration Rank 1

R.T.	EstConc	Area	Relative to ISTD	R.T.
6.63	71.80 ng	2412870	1,4-Dichlorobenzene-d4	6.86

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	3-Chloro-6-fluoro-pyrazine	132	C4H2ClFN2	1000146-10-7	27
2	(E)-3-Chloro-2-methyl-2-pentenal	132	C6H9ClO	031357-76-3	12
3	Bicyclo[4.2.0]octa-1,3,5-triene,...	132	C10H12	028749-81-7	9
4	5-Fluoro-2-chloropyrimidine	132	C4H2ClFN2	062802-42-0	9
5	Imidazole, 4,5-dicyano-1-methyl-	132	C6H4N4	019485-35-9	9





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Misc :
ALS Vial : 20 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : P001-WC008

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF120619.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

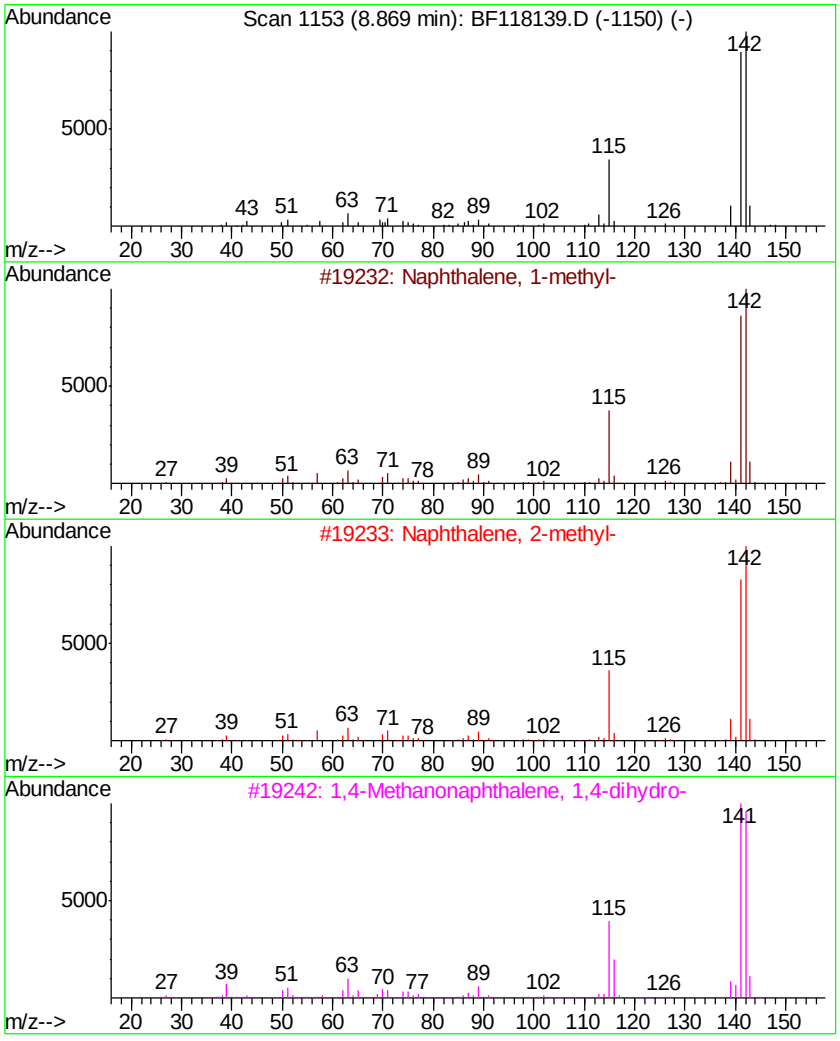
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

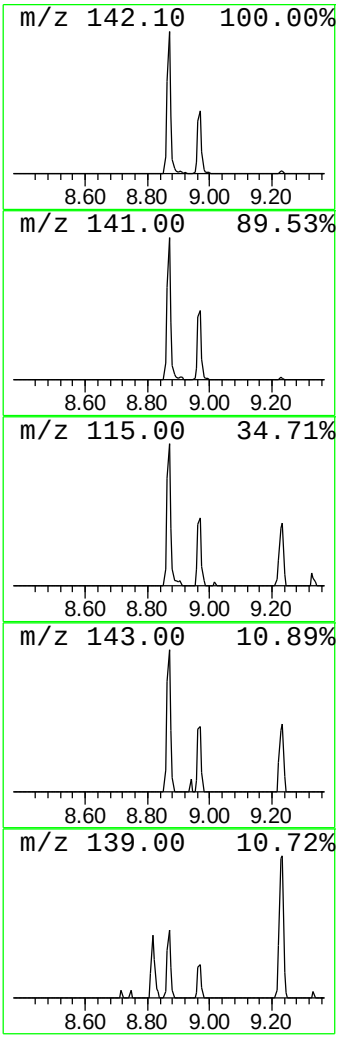
****

Peak Number 5 Naphthalene, 1-methyl- Concentration Rank 16

R.T.	EstConc	Area	Relative to ISTD	R.T.
8.87	2.32 ng	101210	Naphthalene-d8	8.15

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Naphthalene, 1-methyl-	142	C11H10	000090-12-0	95
2	Naphthalene, 2-methyl-	142	C11H10	000091-57-6	95
3	1,4-Methanonaphthalene, 1,4-dihy...	142	C11H10	004453-90-1	91
4	Benzocycloheptatriene	142	C11H10	000264-09-5	91
5	1H-Indene, 1-ethylidene-	142	C11H10	002471-83-2	59





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Instrument : BNA_F
ClientSampleId : P001-WC008

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF120619.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

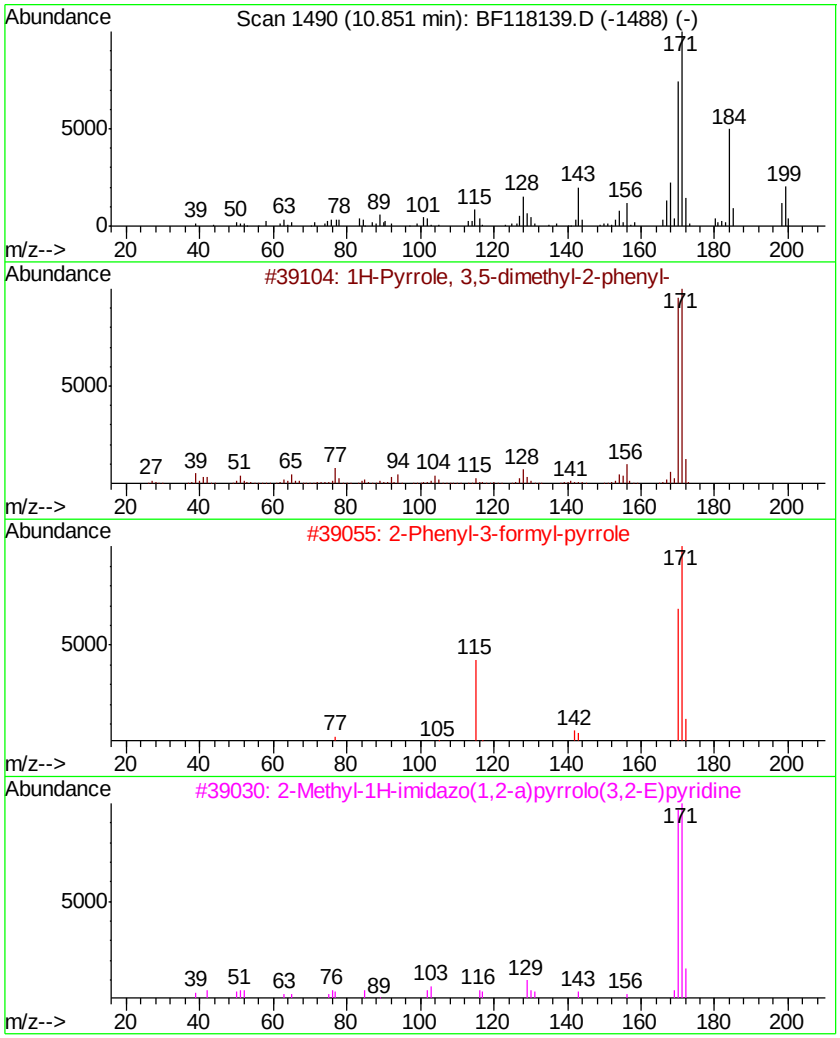
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

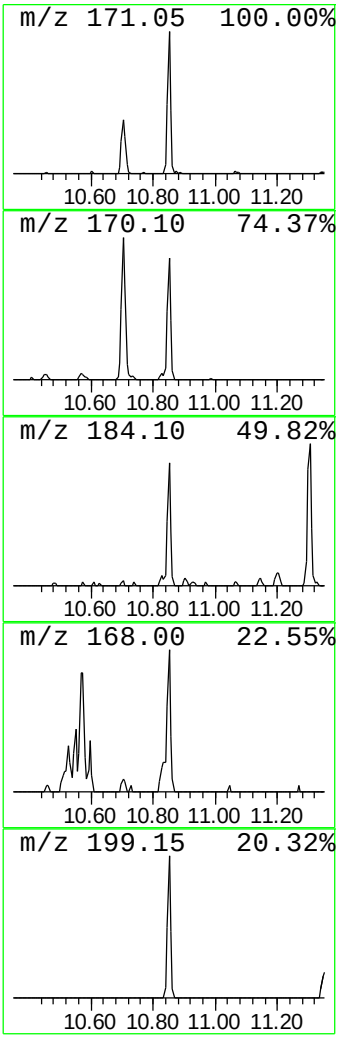
****

Peak Number 6 unknown10.85 Concentration Rank 15

R.T.	EstConc	Area	Relative to ISTD	R.T.
10.85	2.33 ng	109039	Phenanthrene-d10	11.40

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	1H-Pyrrole, 3,5-dimethyl-2-phenyl-	171	C12H13N	003274-53-1	49
2	2-Phenyl-3-formyl-pyrrole	171	C11H9NO	052179-71-2	43
3	2-Methyl-1H-imidazo(1,2-a)pyrrol...	171	C10H9N3	1000147-01-2	43
4	Quinoline, 2,3,4-trimethyl-	171	C12H13N	002437-72-1	38
5	Quinoline, 2-ethyl-4-methyl-	171	C12H13N	033357-44-7	35





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ALS Vial : 20 Sample Multiplier: 1

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

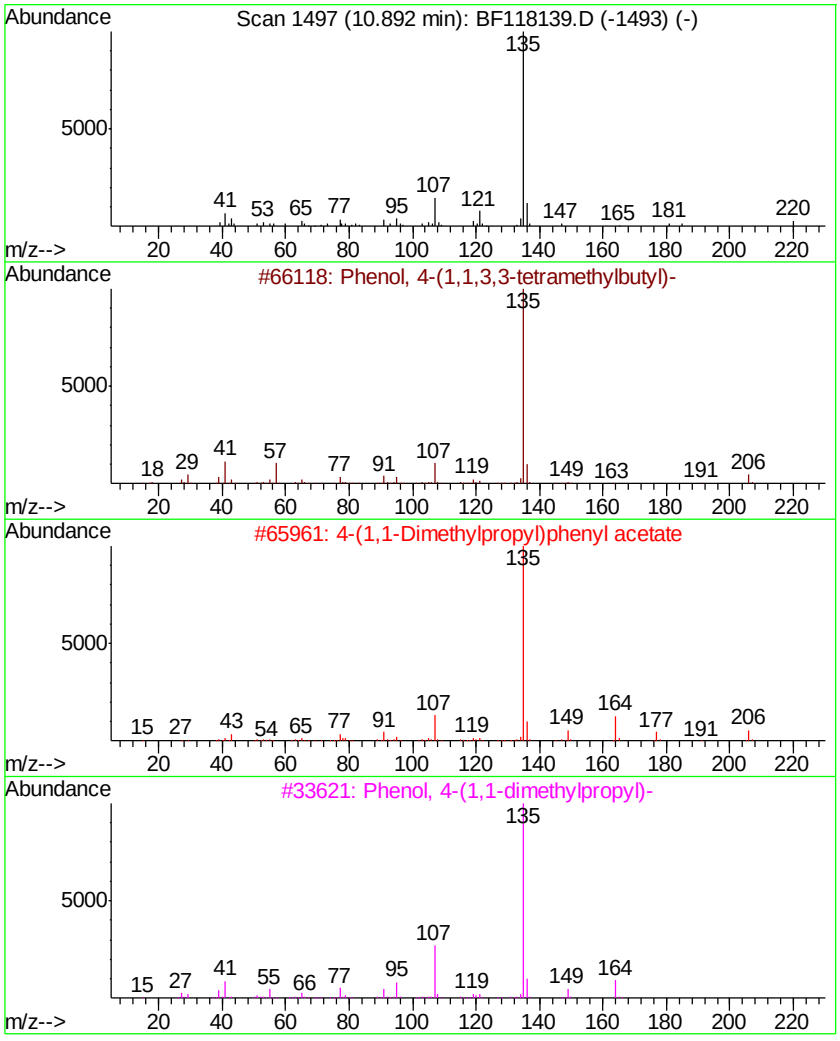
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

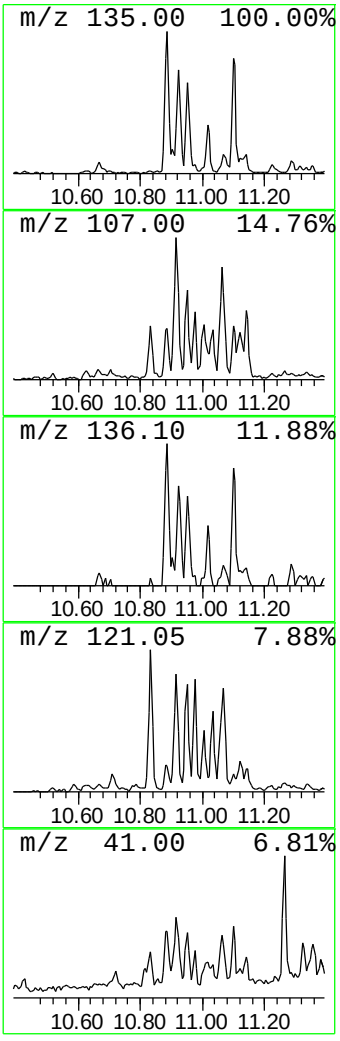
****

Peak Number 7 Phenol, 4-(1,1,3,3-tetramet... Concentration Rank 12

R.T.	EstConc	Area	Relative to ISTD	R.T.
10.89	2.78 ng	130231	Phenanthrene-d10	11.40

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Phenol, 4-(1,1,3,3-tetramethylbu...	206	C14H22O	000140-66-9	78
2	4-(1,1-Dimethylpropyl)phenyl ace...	206	C13H18O2	1000373-45-3	78
3	Phenol, 4-(1,1-dimethylpropyl)-	164	C11H16O	000080-46-6	78
4	Carbamic acid, N-[1,1-bis(triflu...	413	C19H25F6NO2	296242-69-8	72
5	Butane, 1,3-dibromo-	214	C4H8Br2	000107-80-2	64





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Sample : K6147-08
Misc :
ALS Vial : 20 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : P001-WC008

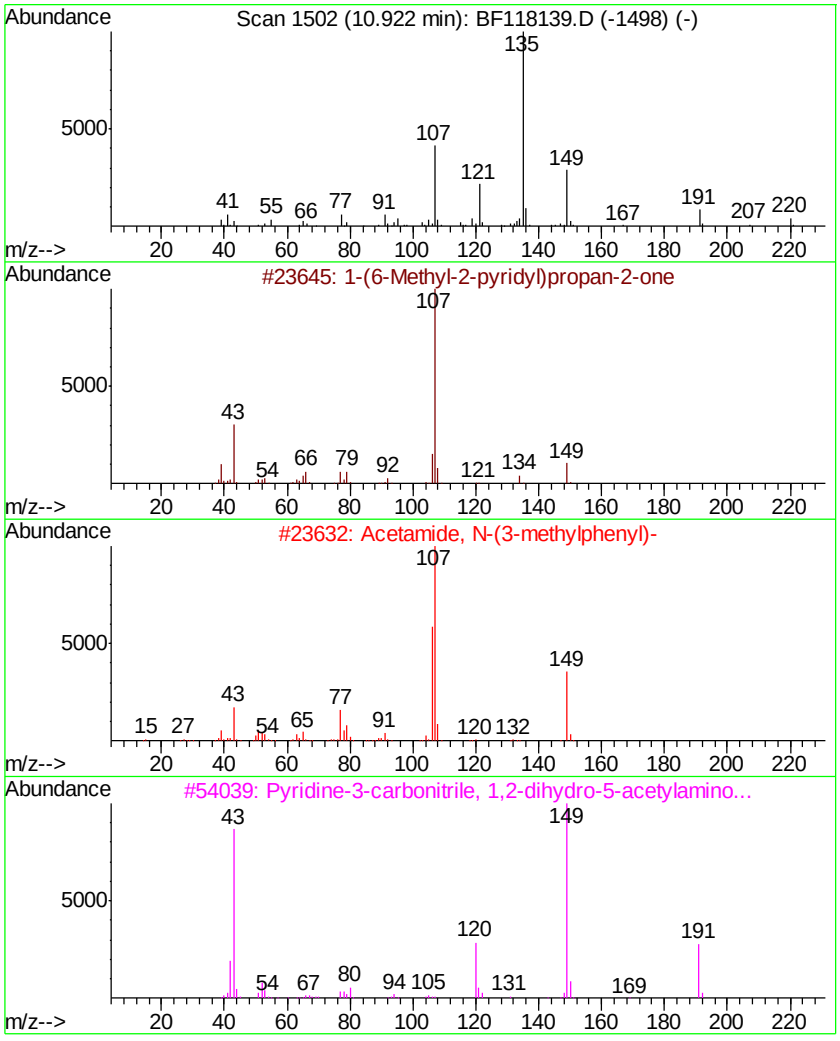
Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF120619.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

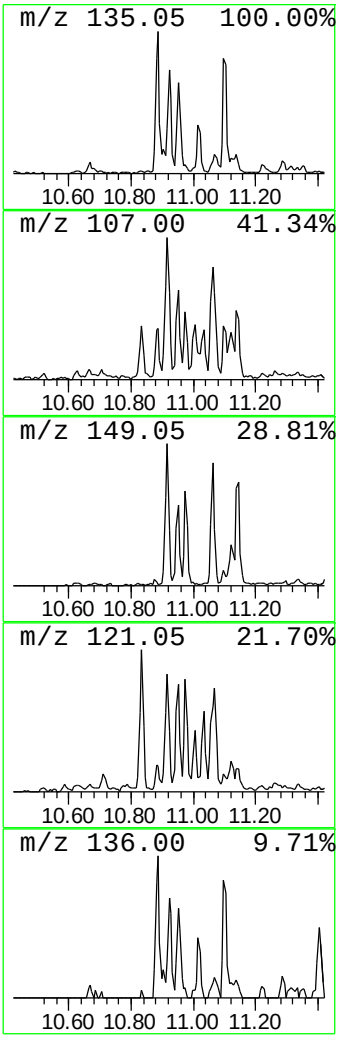
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 8 1-(6-Methyl-2-pyridyl)propa... Concentration Rank 8

R.T.	EstConc	Area	Relative to ISTD	R.T.
10.92	4.19 ng	196607	Phenanthrene-d10	11.40

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	1-(6-Methyl-2-pyridyl)propan-2-one	149	C9H11NO	065702-08-1	52
2	Acetamide, N-(3-methylphenyl)-	149	C9H11NO	000537-92-8	38
3	Pyridine-3-carbonitrile, 1,2-dih...	191	C9H9N3O2	220098-92-0	35
4	Benzene, [1-(1-methylethoxy)-3-b...	190	C13H18O	098088-47-2	27
5	Phthalic acid, isoporpyl propyl ...	250	C14H18O4	1000314-99-7	27





Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF120719\
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Operator : JU
Sample : K6147-08
Misc :
ALS Vial : 20 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : P001-WC008

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF120619.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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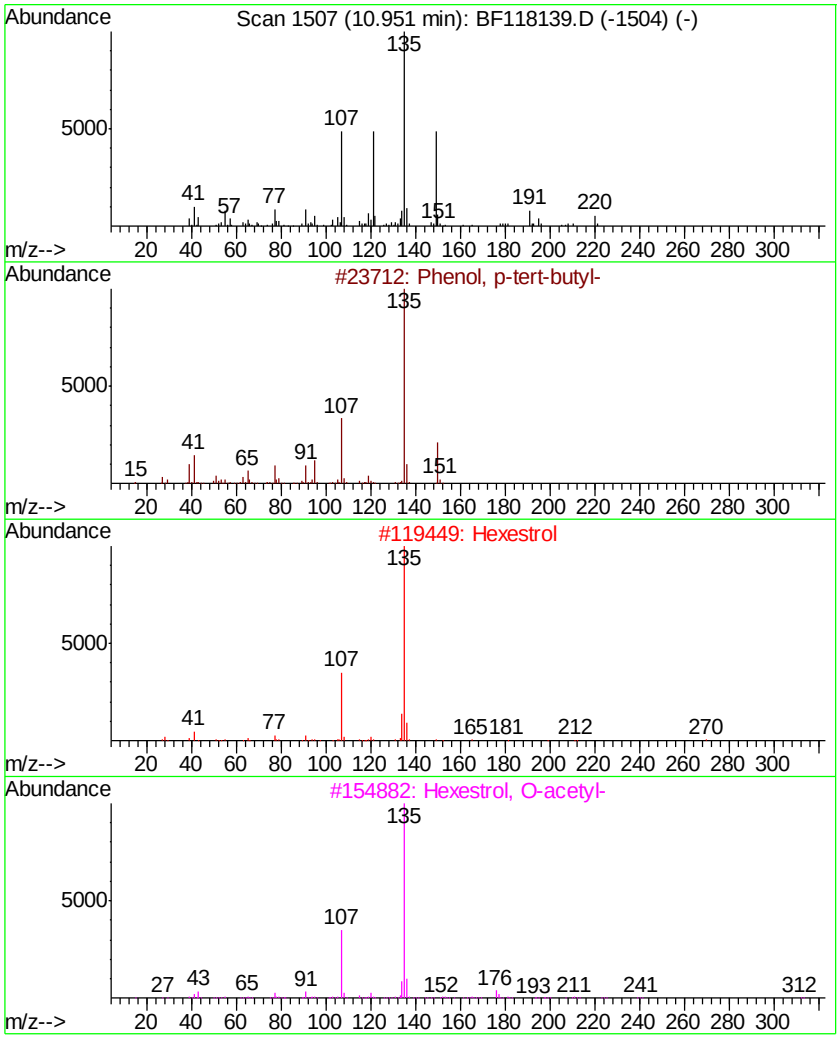
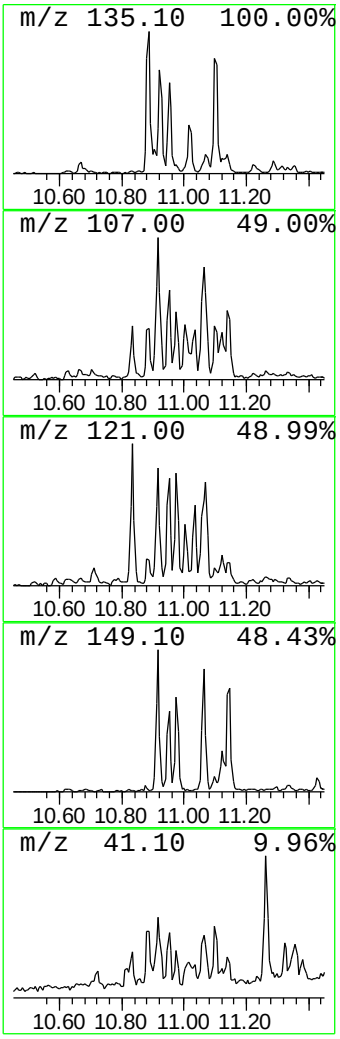
Peak Number 9 Phenol, p-tert-butyl- Concentration Rank 10

R.T.	EstConc	Area	Relative to ISTD	R.T.
10.95	2.86 ng	134083	Phenanthrene-d10	11.40

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Phenol, p-tert-butyl-	150	C10H14O	000098-54-4	64
2	Hexestrol	270	C18H22O2	000084-16-2	50
3	Hexestrol, O-acetyl-	312	C20H24O3	1000374-87-8	50
4	Phenol, 4-(1,1-dimethylpropyl)-	164	C11H16O	000080-46-6	50
5	3-Penten-2-one, 4-(2,6,6-trimeth...	206	C14H22O	114933-28-7	50





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Acq On : 7 Dec 2019 19:54
Operator : JU
Sample : K6147-08
Misc :
ALS Vial : 20 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : P001-WC008

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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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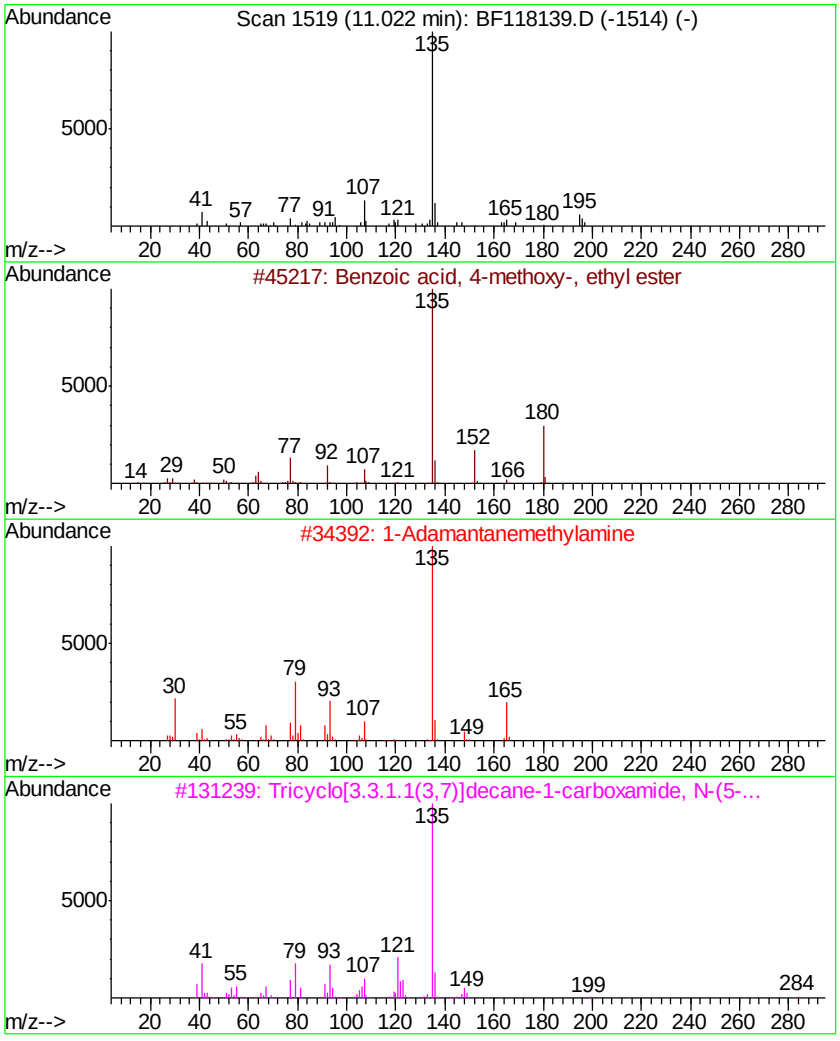
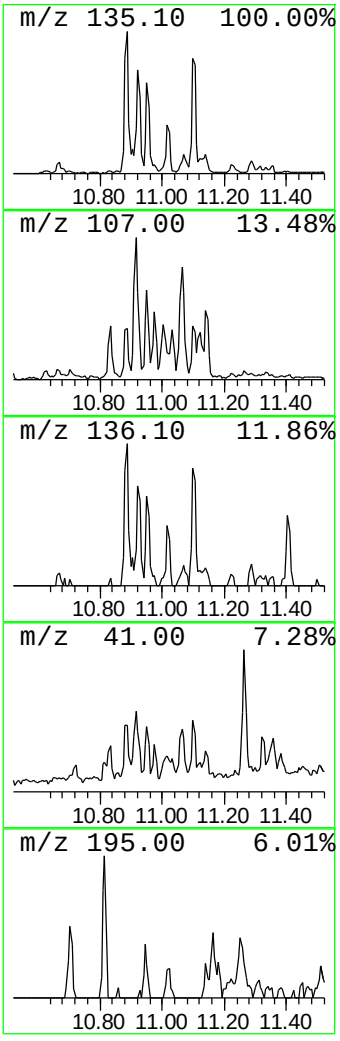
Peak Number 10 Benzoic acid, 4-methoxy-, e... Concentration Rank 20

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.02	2.15 ng	100758	Phenanthrene-d10	11.40

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzoic acid, 4-methoxy-, ethyl ...	180	C10H12O3	000094-30-4	72
2	1-Adamantanemethylamine	165	C11H19N	017768-41-1	64
3	Tricyclo[3.3.1.1(3,7)]decane-1-c...	284	C18H24N2O	1000319-87-4	64
4	Phenol, 4-(1,1,3,3-tetramethylbu...	206	C14H22O	000140-66-9	59
5	4'-Methoxybutyrophenone	178	C11H14O2	004160-51-4	59





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Misc :
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Instrument : BNA_F
ClientSampleId : P001-WC008

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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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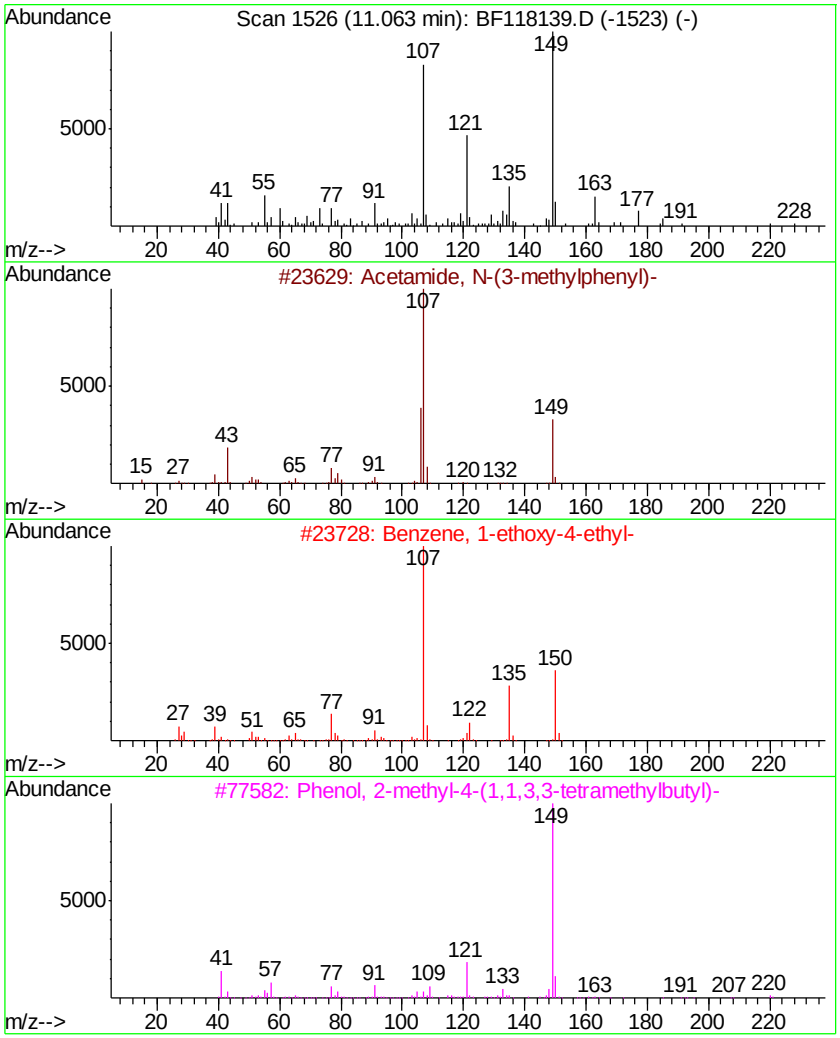
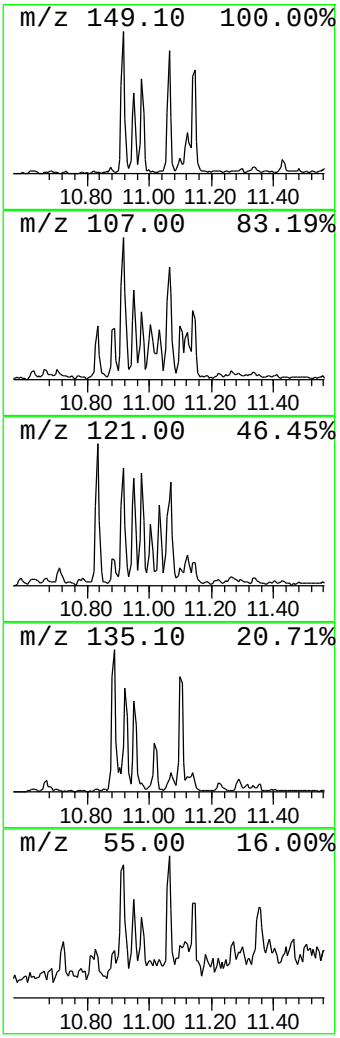
Peak Number 11 Acetamide, N-(3-methylphenyl)- Concentration Rank 9

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.06	3.46 ng	162083	Phenanthrene-d10	11.40

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Acetamide, N-(3-methylphenyl)-	149	C9H11NO	000537-92-8	53
2	Benzene, 1-ethoxy-4-ethyl-	150	C10H14O	001585-06-4	35
3	Phenol, 2-methyl-4-(1,1,3,3-tetr...	220	C15H24O	002219-84-3	35
4	2-Methyl-2-(4'-methoxyphenyl)pen...	206	C13H18O2	185700-49-6	27
5	Benzenemethanol, 4-(1,1-dimethyl...	164	C11H16O	000877-65-6	27





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Sample : K6147-08
Misc :
ALS Vial : 20 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : P001-WC008

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF120619.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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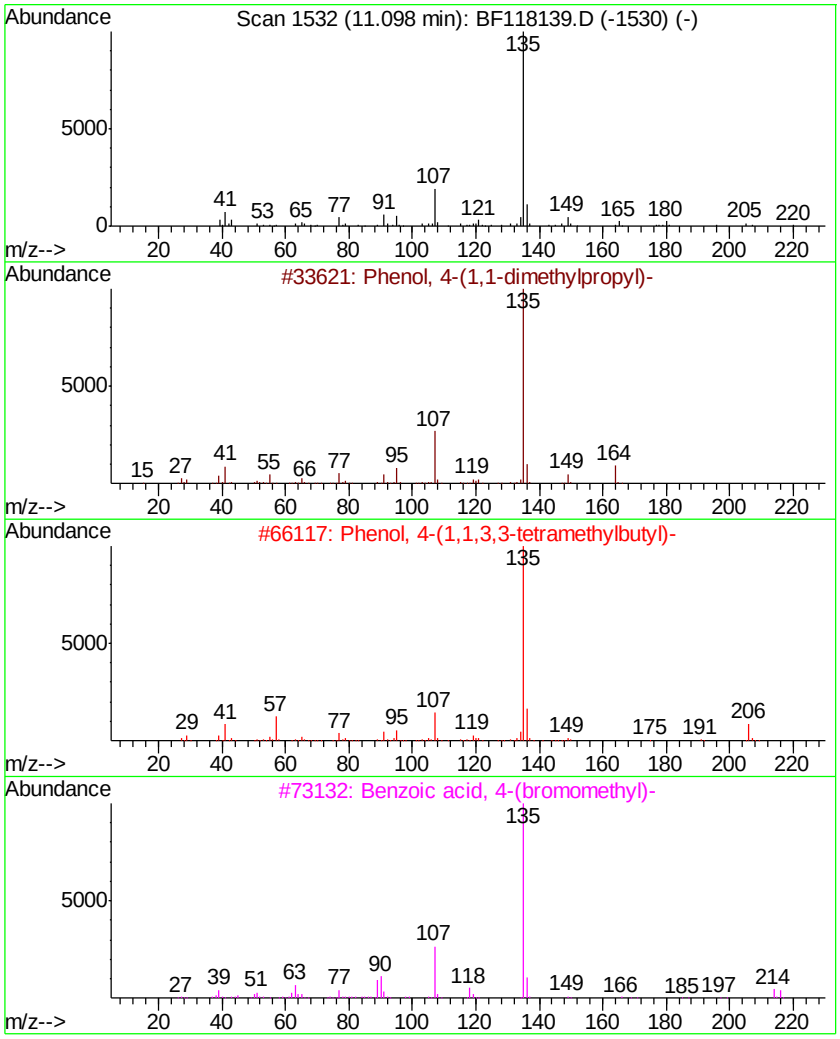
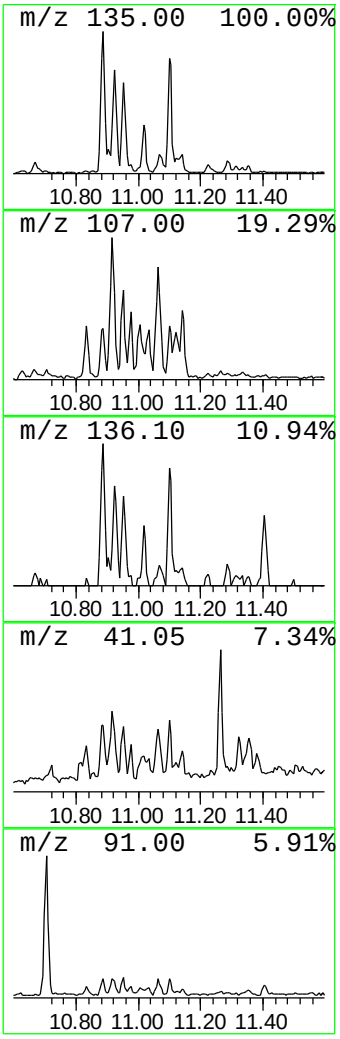
Peak Number 12 Phenol, 4-(1,1-dimethylprop... Concentration Rank 19

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.10	2.15 ng	100990	Phenanthrene-d10	11.40

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Phenol, 4-(1,1-dimethylpropyl)-	164	C11H16O	000080-46-6	78
2	Phenol, 4-(1,1,3,3-tetramethylbu...	206	C14H22O	000140-66-9	64
3	Benzoic acid, 4-(bromomethyl)-	214	C8H7BrO2	006232-88-8	64
4	4-tert-Butylphenyl acetate	192	C12H16O2	003056-64-2	64
5	Hexestrol	270	C18H22O2	000084-16-2	64





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Sample : K6147-08
Misc :
ALS Vial : 20 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : P001-WC008

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF120619.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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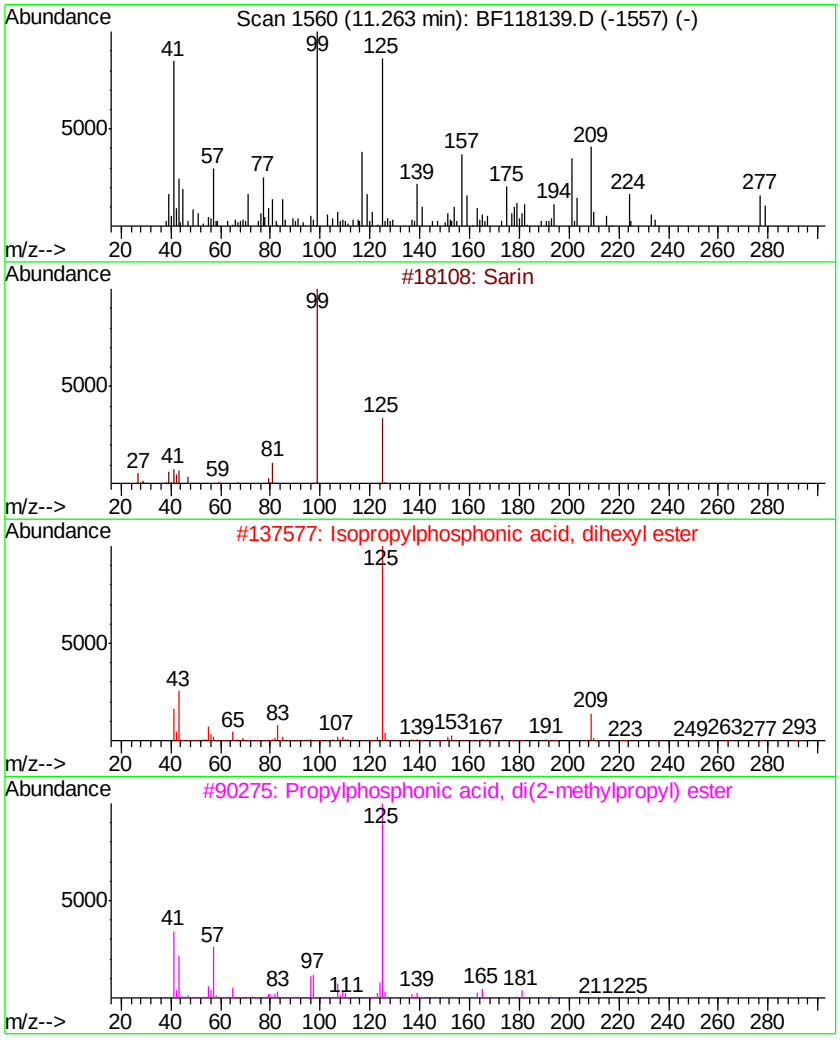
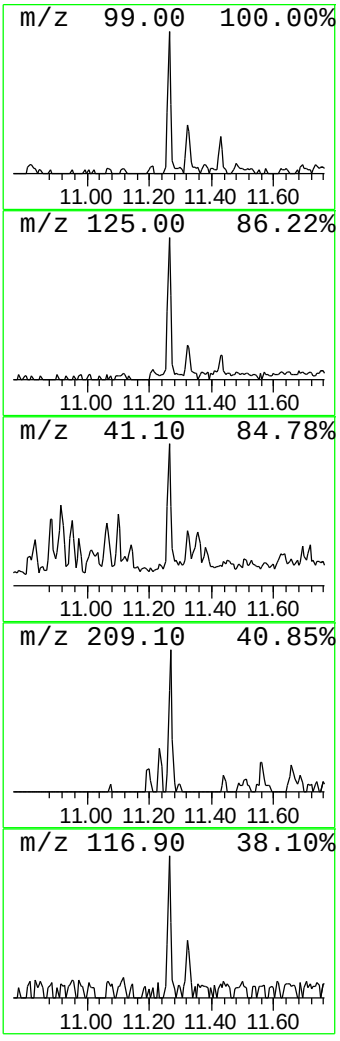
Peak Number 13 unknown11.26 Concentration Rank 14

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.26	2.46 ng	115292	Phenanthrene-d10	11.40

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Sarin	140	C4H10FO2P	000107-44-8	38
2	Isopropylphosphonic acid, dihexy...	292	C15H33O3P	148456-62-6	22
3	Propylphosphonic acid, di(2-meth...	236	C11H25O3P	007307-29-1	10
4	2,4,6-Pyrimidinetriamine	125	C4H7N5	001004-38-2	10
5	2,3-Dimethyl-2-butyl methylphosp...	182	C7H16FO2P	1000216-68-5	10





Library Search Compound Report

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Operator : JU
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Misc :
ALS Vial : 20 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : P001-WC008

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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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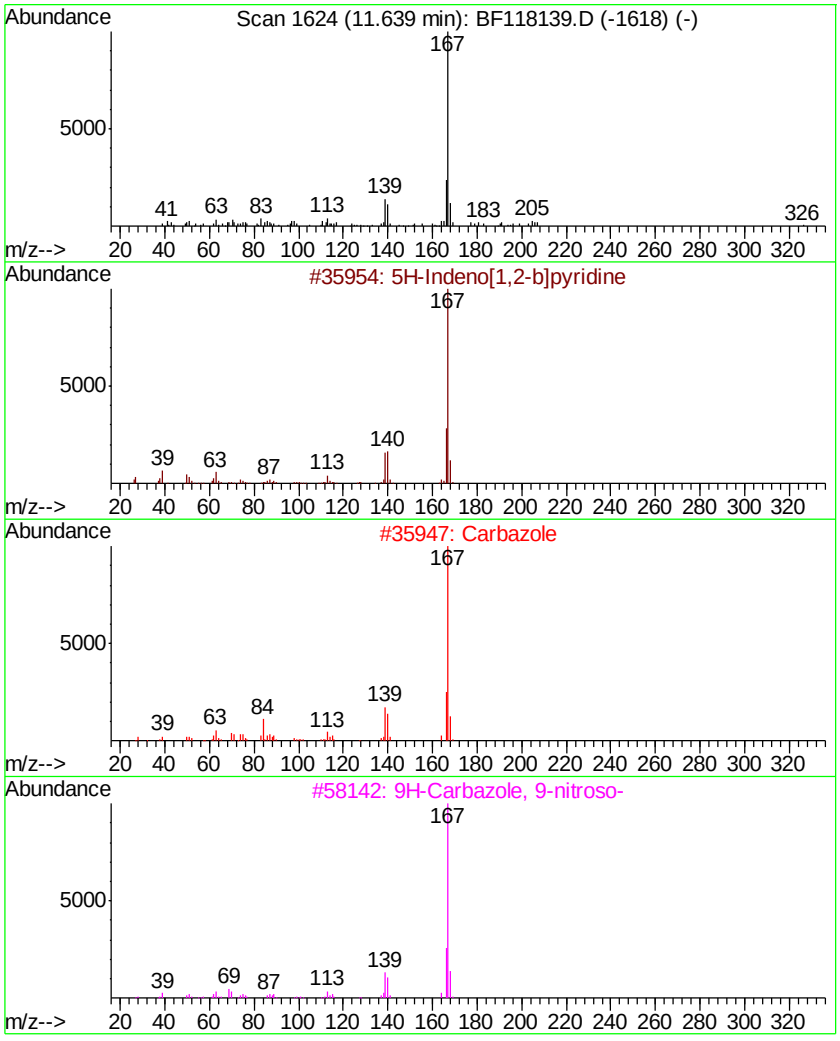
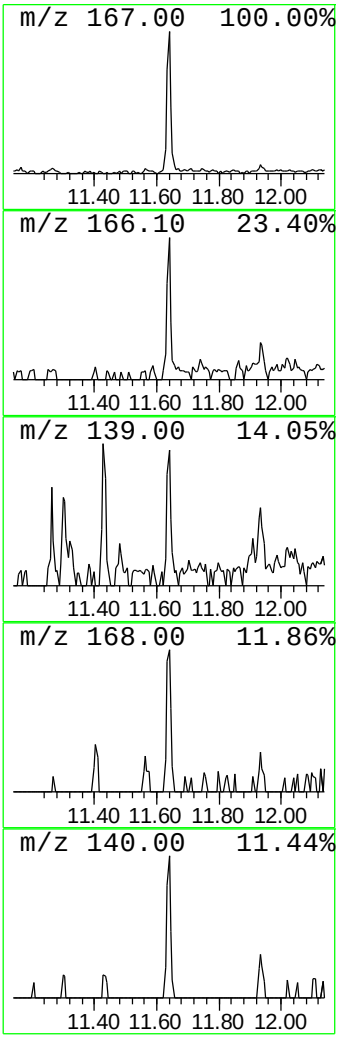
Peak Number 14 5H-Indeno[1,2-b]pyridine Concentration Rank 17

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.64	2.19 ng	102455	Phenanthrene-d10	11.40

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	5H-Indeno[1,2-b]pyridine	167	C12H9N	000244-99-5	91
2	Carbazole	167	C12H9N	000086-74-8	91
3	9H-Carbazole, 9-nitroso-	196	C12H8N2O	002788-23-0	91
4	D-Galactitol, 2-(acetylmethylami...	363	C16H29NO8	074410-42-7	80
5	9H-Carbazole-9-methanol	197	C13H11NO	002409-36-1	78





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Operator : JU
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Misc :
ALS Vial : 20 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : P001-WC008

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF120619.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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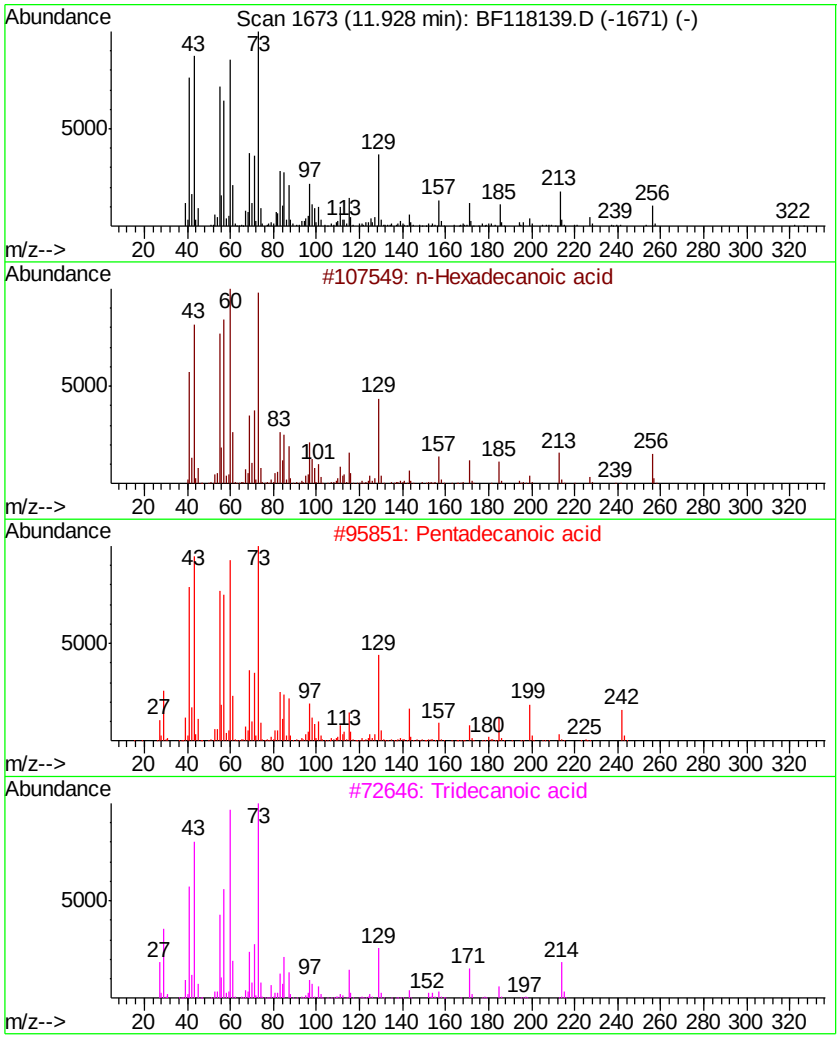
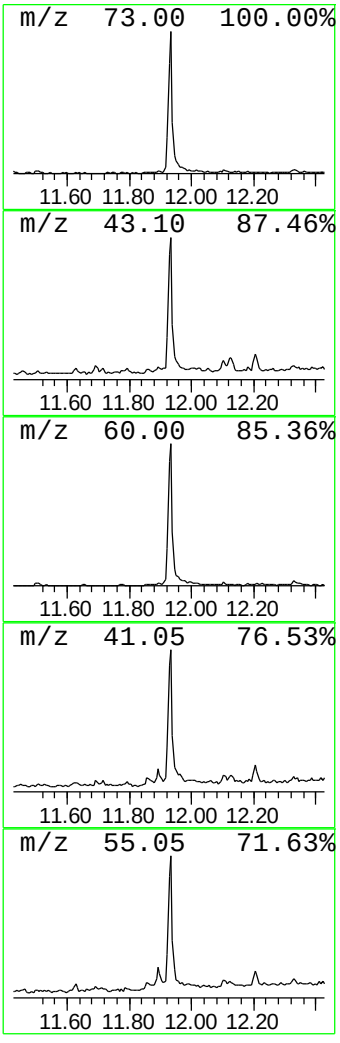
Peak Number 15 n-Hexadecanoic acid Concentration Rank 3

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.93	14.58 ng	683460	Phenanthrene-d10	11.40

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	n-Hexadecanoic acid	256	C16H32O2	000057-10-3	99
2	Pentadecanoic acid	242	C15H30O2	001002-84-2	90
3	Tridecanoic acid	214	C13H26O2	000638-53-9	89
4	Tetradecanoic acid	228	C14H28O2	000544-63-8	76
5	Undecanoic acid	186	C11H22O2	000112-37-8	68





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Acq On : 7 Dec 2019 19:54
Operator : JU
Sample : K6147-08
Misc :
ALS Vial : 20 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : P001-WC008

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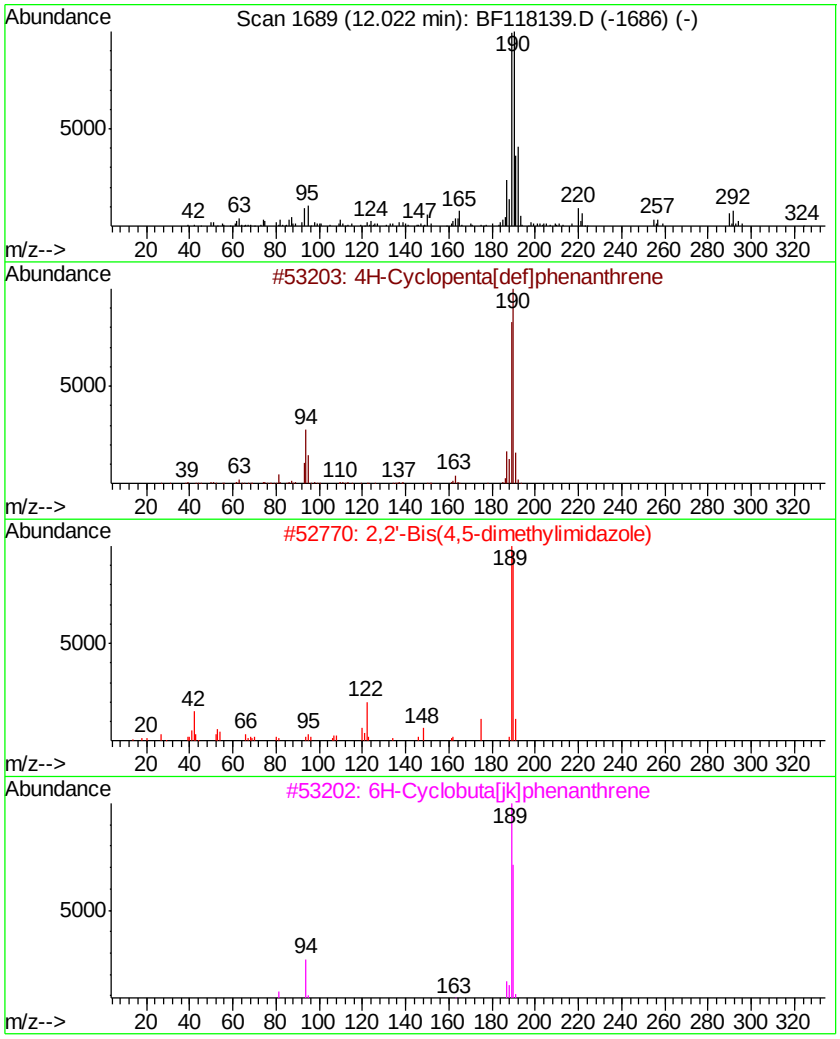
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

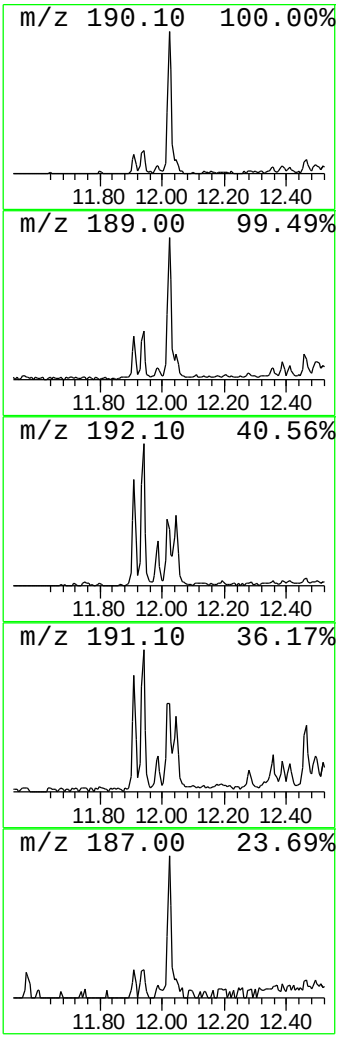
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 16 4H-Cyclopenta[def]phenanthrene Concentration Rank 11

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.02	2.82 ng	132018	Phenanthrene-d10	11.40

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	4H-Cyclopenta[def]phenanthrene	190	C15H10	000203-64-5	58
2	2,2'-Bis(4,5-dimethylimidazole)	190	C10H14N4	069286-06-2	47
3	6H-Cyclobuta[jk]phenanthrene	190	C15H10	083469-43-6	42
4	Pyrimidine, 2-chloro-5-phenyl-	190	C10H7ClN2	022536-62-5	32
5	Pyrazole-4-carboxaldehyde, 3-(4-...	190	C10H7FN2O	306936-57-2	28





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Sample : K6147-08
Misc :
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Instrument : BNA_F
ClientSampleId : P001-WC008

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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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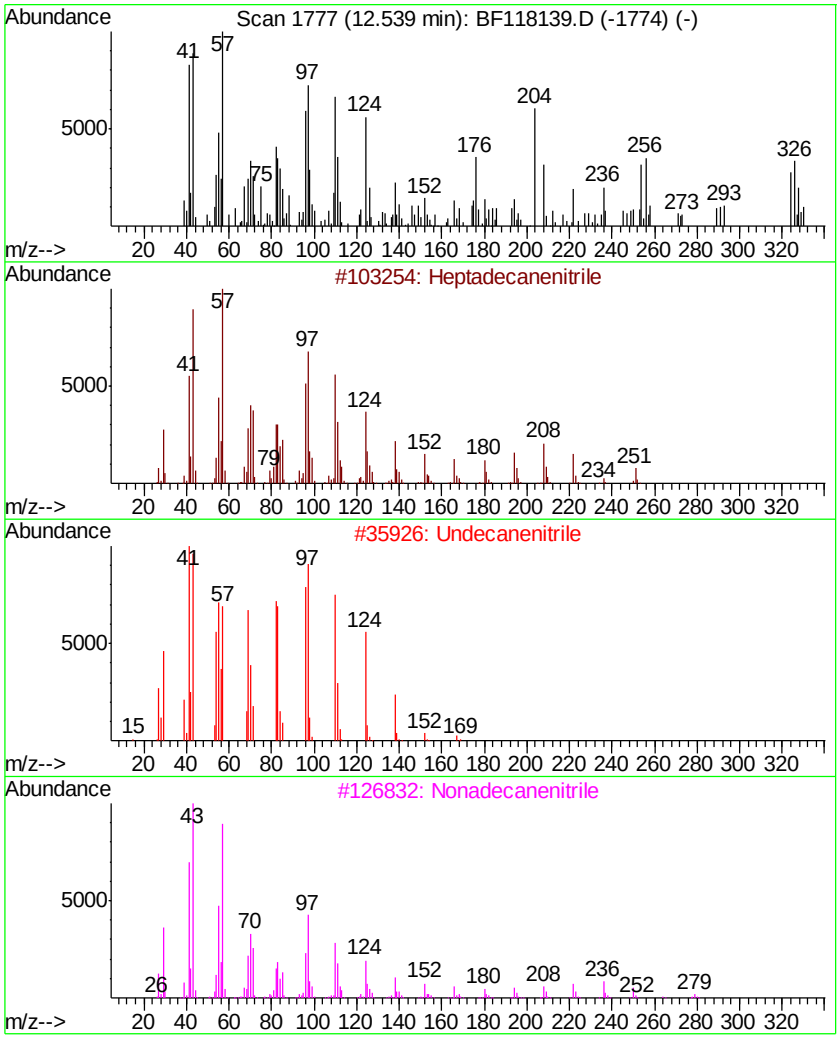
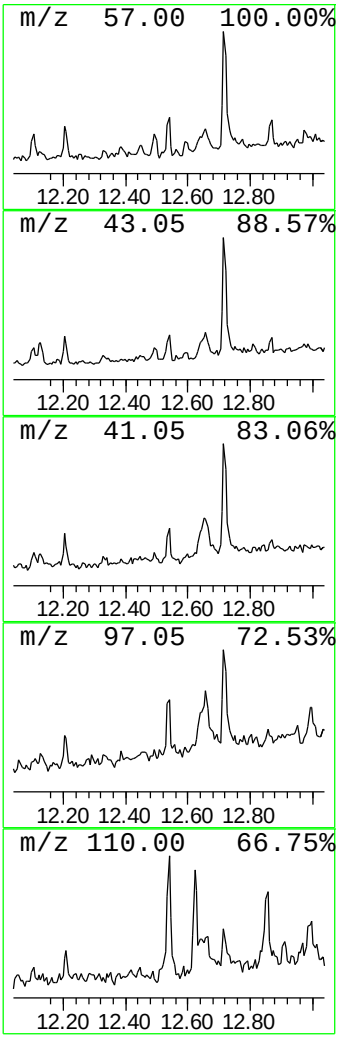
Peak Number 17 unknown12.54 Concentration Rank 13

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.54	2.50 ng	117408	Phenanthrene-d10	11.40

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Heptadecanenitrile	251	C17H33N	005399-02-0	38
2	Undecanenitrile	167	C11H21N	002244-07-7	35
3	Nonadecanenitrile	279	C19H37N	028623-46-3	22
4	Octadecanenitrile	265	C18H35N	000638-65-3	22
5	Hexadecanenitrile	237	C16H31N	000629-79-8	22





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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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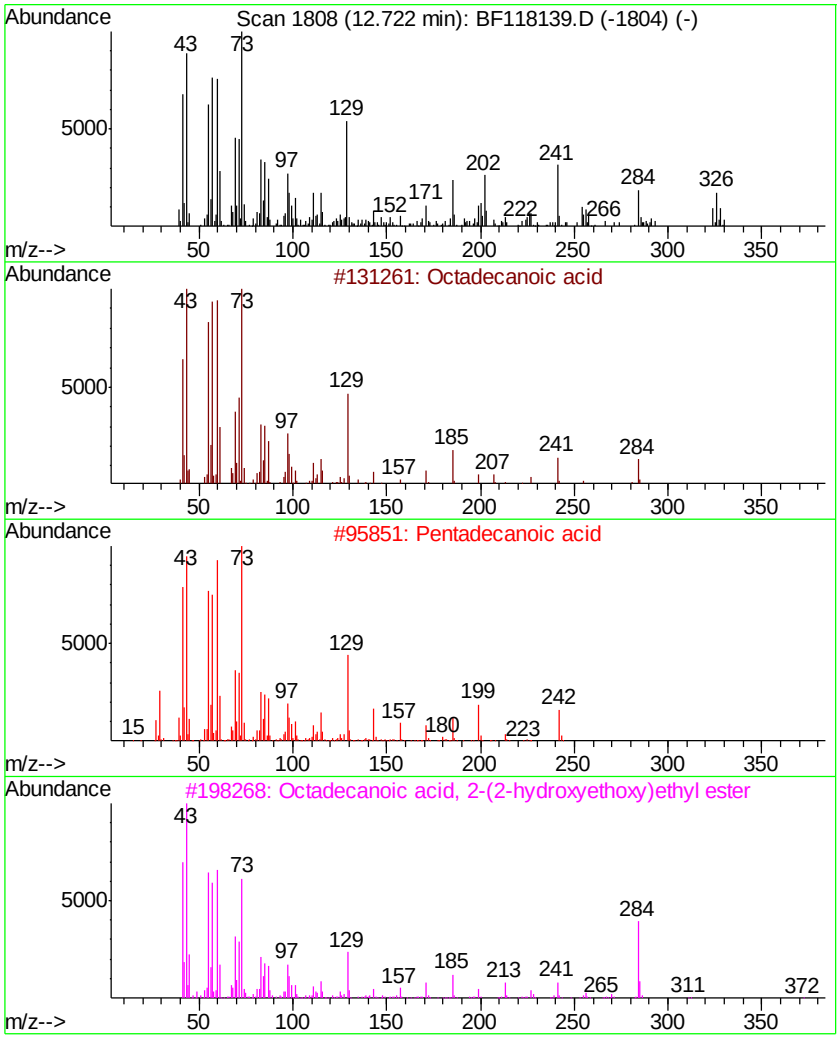
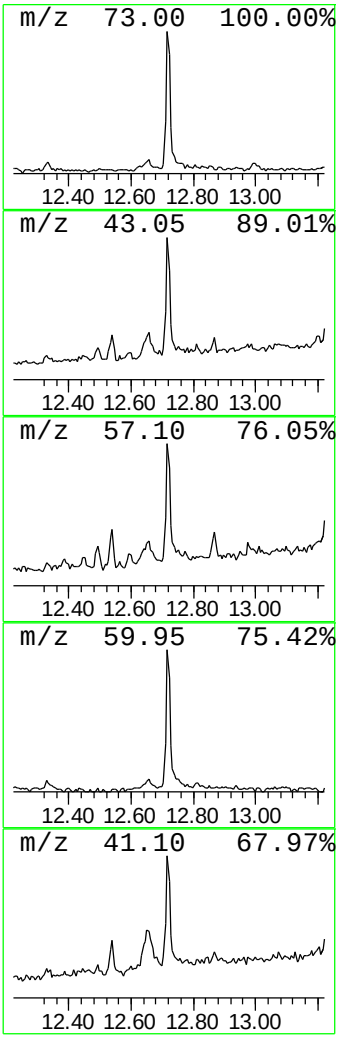
Peak Number 18 Octadecanoic acid Concentration Rank 5

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.72	7.28 ng	341543	Phenanthrene-d10	11.40

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Octadecanoic acid	284	C18H36O2	000057-11-4	99
2	Pentadecanoic acid	242	C15H30O2	001002-84-2	87
3	Octadecanoic acid, 2-(2-hydroxye...	372	C22H44O4	000106-11-6	70
4	n-Hexadecanoic acid	256	C16H32O2	000057-10-3	62
5	Tetradecanoic acid	228	C14H28O2	000544-63-8	58





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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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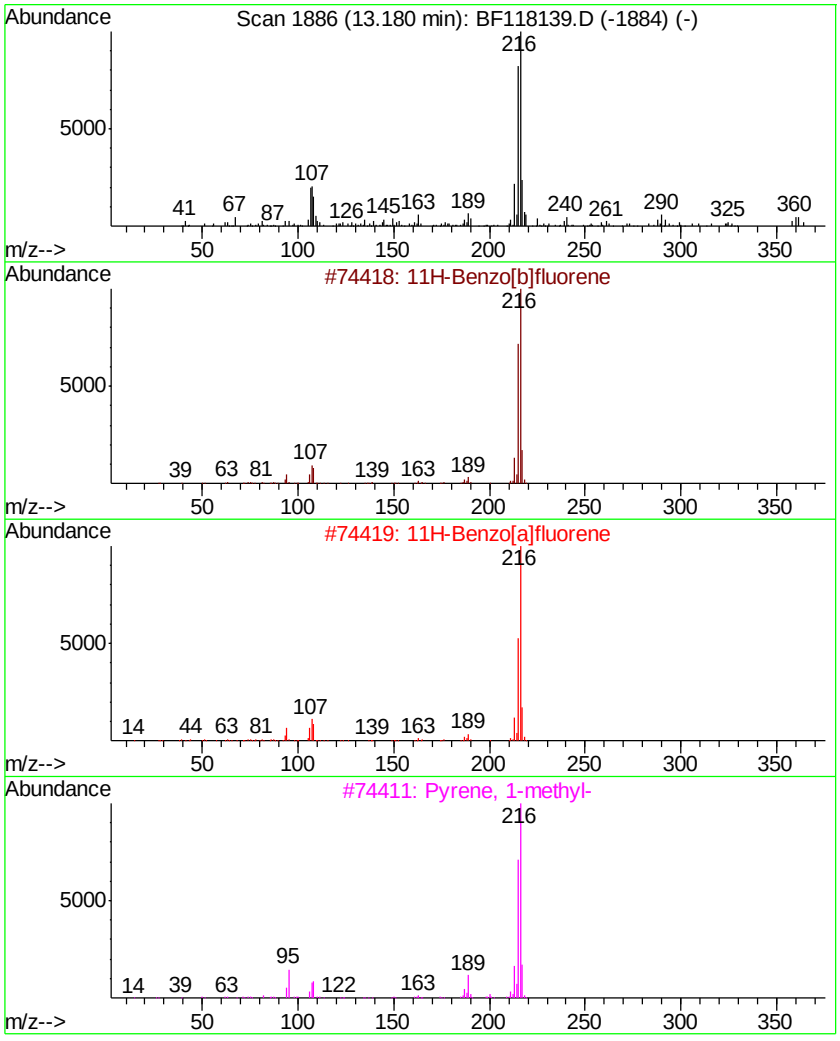
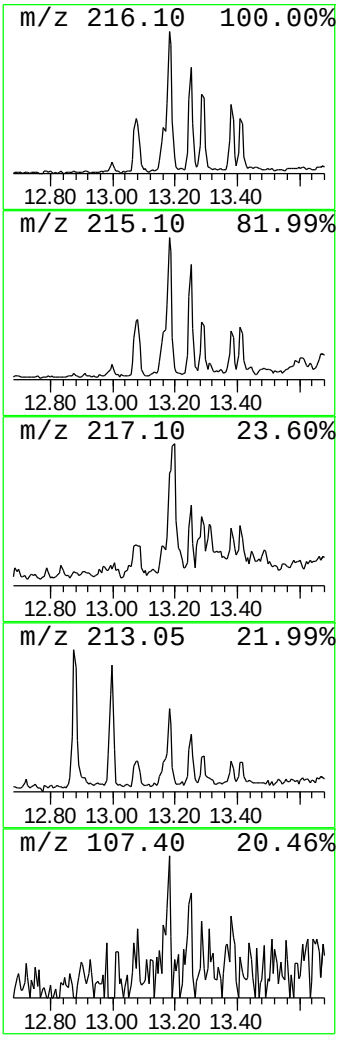
Peak Number 19 11H-Benzo[b]fluorene Concentration Rank 18

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.18	2.18 ng	159121	Chrysene-d12	14.06

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	11H-Benzo[b]fluorene	216	C17H12	000243-17-4	76
2	11H-Benzo[a]fluorene	216	C17H12	000238-84-6	72
3	Pyrene, 1-methyl-	216	C17H12	002381-21-7	68
4	Fluoranthene, 2-methyl-	216	C17H12	033543-31-6	62
5	7H-Benzo[c]fluorene	216	C17H12	000205-12-9	52





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Acq On : 7 Dec 2019 19:54
Operator : JU
Sample : K6147-08
Misc :
ALS Vial : 20 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : P001-WC008

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF120619.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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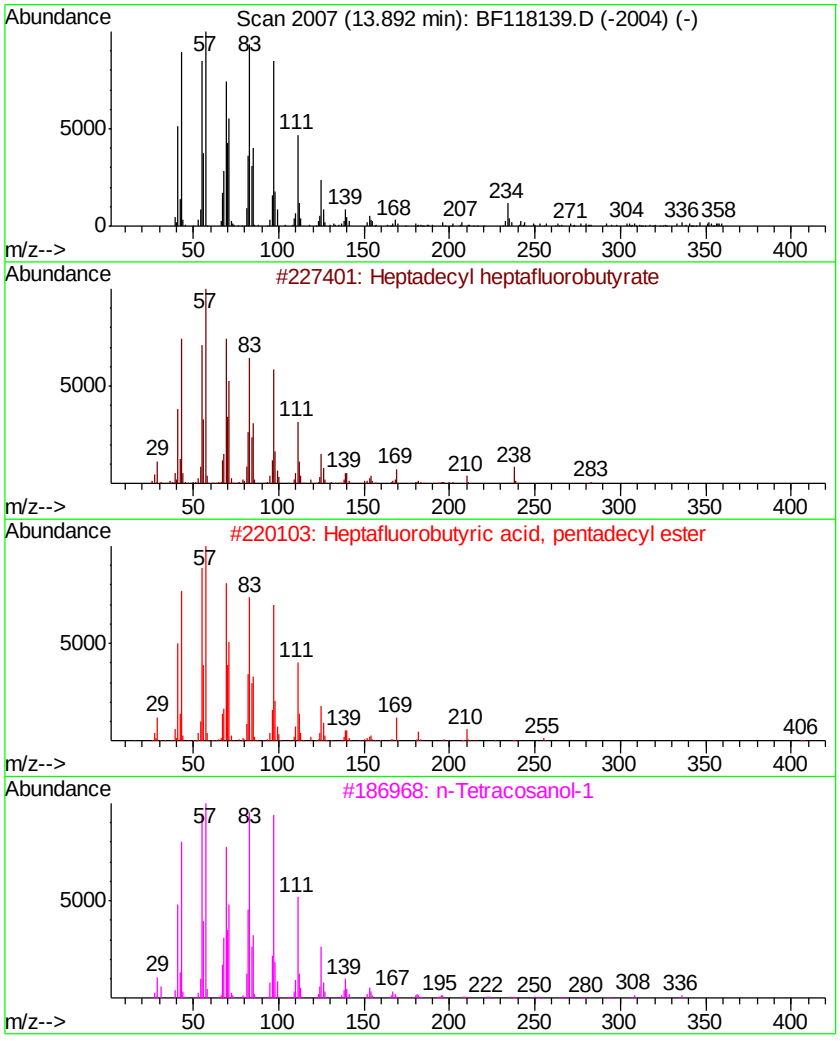
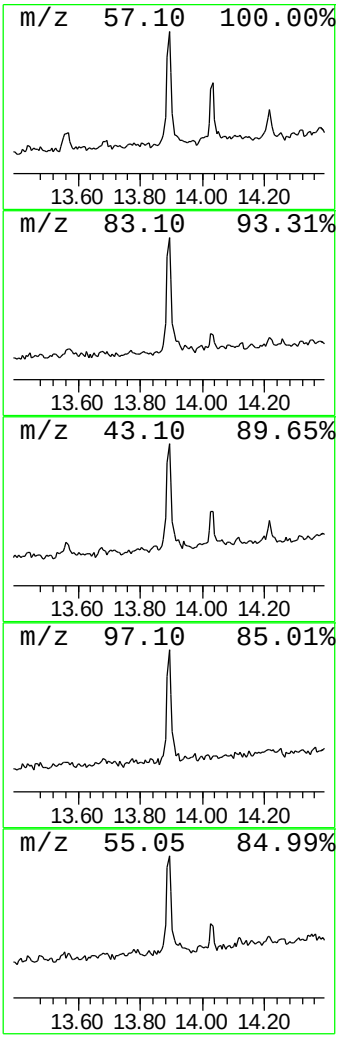
Peak Number 20 Heptadecyl heptafluorobutyrate Concentration Rank 6

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.89	6.20 ng	452050	Chrysene-d12	14.06

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Heptadecyl heptafluorobutyrate	452	C21H35F7O2	959085-66-6	94
2	Heptafluorobutyric acid, pentade...	424	C19H31F7O2	959261-23-5	94
3	n-Tetracosanol-1	354	C24H50O	000506-51-4	93
4	Trifluoroacetic acid, pentadecyl...	324	C17H31F3O2	959010-23-2	93
5	Pentafluoropropionic acid, penta...	374	C18H31F5O2	959092-08-1	93





Tentatively Identified Compound (LSC) summary

Data Path : Z:\SVOASRV\HPCHEM1\BNA_F\DATA\BF120719\
Data File : BF118139.D
Acq On : 7 Dec 2019 19:54
Operator : JU
Sample : K6147-08
Misc :
ALS Vial : 20 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : P001-WC008

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF120619.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
2-Pentanone, 4-hy...	5.07	12.0	ng	403041	1	6.86	672109	20.0
unknown6.63	6.63	71.8	ng	2412870	1	6.86	672109	20.0
Naphthalene, 1-me...	8.87	2.3	ng	101210	2	8.15	871572	20.0
unknown10.85	10.85	2.3	ng	109039	4	11.40	937724	20.0
Phenol, 4-(1,1,3,...	10.89	2.8	ng	130231	4	11.40	937724	20.0
1-(6-Methyl-2-pyr...	10.92	4.2	ng	196607	4	11.40	937724	20.0
Phenol, p-tert-bu...	10.95	2.9	ng	134083	4	11.40	937724	20.0
Benzoic acid, 4-m...	11.02	2.1	ng	100758	4	11.40	937724	20.0
Acetamide, N-(3-m...	11.06	3.5	ng	162083	4	11.40	937724	20.0
Phenol, 4-(1,1-di...	11.10	2.1	ng	100990	4	11.40	937724	20.0
unknown11.26	11.26	2.5	ng	115292	4	11.40	937724	20.0
5H-Indeno[1,2-b]p...	11.64	2.2	ng	102455	4	11.40	937724	20.0
n-Hexadecanoic acid	11.93	14.6	ng	683460	4	11.40	937724	20.0
4H-Cyclopenta[def...	12.02	2.8	ng	132018	4	11.40	937724	20.0
unknown12.54	12.54	2.5	ng	117408	4	11.40	937724	20.0
Octadecanoic acid	12.72	7.3	ng	341543	4	11.40	937724	20.0
11H-Benzo[b]fluorene	13.18	2.2	ng	159121	5	14.06	1458790	20.0
Heptadecyl heptaf...	13.89	6.2	ng	452050	5	14.06	1458790	20.0