LSC Area Percent Report

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF080519\
Data File : BF115994.D
Acq On : 5 Aug 2019 21:48
Operator : HP/JU
Sample : K4136-06
Misc :
ALS Vial : 15 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : 1S-C1-C4-COMP-(30)

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-BF073019.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	2.134	3	8	18	rVB	906825	1281085	29.93%	1.883%
2	5.475	571	576	601	rBV	3374151	3717332	86.83%	5.465%
3	6.481	742	747	750	rBV	3385457	3889316	90.85%	5.718%
4	6.616	766	770	773	rBV	3962641	3913680	91.42%	5.754%
5	6.839	805	808	818	rVB	942387	858302	20.05%	1.262%
6	6.998	831	835	849	rBV	3122180	3043375	71.09%	4.474%
7	7.404	899	904	907	rBV	2463516	2532777	59.16%	3.724%
8	8.122	1022	1026	1048	rBV	1155399	1092668	25.52%	1.606%
9	9.198	1204	1209	1212	rBV	4489608	4280952	100.00%	6.294%
10	9.592	1272	1276	1285	rVB	274705	271071	6.33%	0.399%
11	9.875	1320	1324	1328	rBV	1500987	1285278	30.02%	1.890%
12	9.910	1328	1330	1335	rVB	118892	102633	2.40%	0.151%
13	10.427	1414	1418	1423	rBV	91351	97611	2.28%	0.144%
14	10.580	1438	1444	1448	rVB3	43715	65546	1.53%	0.096%
15	10.669	1454	1459	1467	rBV	2714124	2755300	64.36%	4.051%
16	10.898	1493	1498	1501	rVB	73587	76824	1.79%	0.113%
17	10.945	1502	1506	1508	rBV	63464	76406	1.78%	0.112%
18	10.975	1508	1511	1514	rVB3	64656	76400	1.78%	0.112%
19	11.010	1514	1517	1519	rBV3	43816	51312	1.20%	0.075%
20	11.033	1519	1521	1524	rVB2	62075	66681	1.56%	0.098%
21	11.110	1530	1534	1536	rBV2	59214	80166	1.87%	0.118%
22	11.133	1536	1538	1540	rVB	103251	77195	1.80%	0.113%
23	11.169	1540	1544	1547	rBV	324757	296144	6.92%	0.435%
24	11.222	1547	1553	1556	rBV3	242553	343726	8.03%	0.505%
25	11.257	1556	1559	1564	rVB2	424130	449965	10.51%	0.662%
26	11.316	1564	1569	1571	rBV2	263931	456627	10.67%	0.671%
27	11.363	1574	1577	1579	rVV	1364800	1193465	27.88%	1.755%
28	11.386	1579	1581	1583	rVV	1546381	1275854	29.80%	1.876%
29	11.410	1583	1585	1587	rVV2	503825	481605	11.25%	0.708%
30	11.439	1587	1590	1595	rVB2	700791	852945	19.92%	1.254%
31	11.486	1595	1598	1601	rBV2	738528	803747	18.77%	1.182%
32	11.516	1601	1603	1605	rBV	539405	476352	11.13%	0.700%
33	11.539	1605	1607	1612	rVB4	338468	497344	11.62%	0.731%
34	11.592	1612	1616	1618	rBV2	965923	1095977	25.60%	1.611%

LSC Area Percent Report

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Operator : HP/JU
Sample : K4136-06
Misc :
ALS Vial : 15 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : 1S-C1-C4-COMP-(30)

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-BF073019.M
Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

35	11.663	1625	1628	1629	rBV2	555128	584889	13.66%	0.860%
36	11.722	1635	1638	1641	rVB2	452978	558750	13.05%	0.821%
37	11.757	1641	1644	1646	rBV2	833117	830960	19.41%	1.222%
38	11.780	1646	1648	1651	rVV2	639975	558140	13.04%	0.821%
39	11.810	1651	1653	1655	rVB	588554	411404	9.61%	0.605%
40	11.851	1655	1660	1662	rBV4	533182	1017907	23.78%	1.497%
41	11.898	1666	1668	1671	rVB3	649906	674511	15.76%	0.992%
42	11.927	1671	1673	1677	rBV3	352688	542132	12.66%	0.797%
43	11.980	1680	1682	1690	rVV3	493644	1018488	23.79%	1.497%
44	12.057	1692	1695	1697	rVV	359829	342773	8.01%	0.504%
45	12.104	1701	1703	1708	rVB4	427566	555097	12.97%	0.816%
46	12.286	1731	1734	1736	rBV2	444810	523215	12.22%	0.769%
47	12.369	1745	1748	1749	rBV	432139	415665	9.71%	0.611%
48	12.580	1781	1784	1789	rBV	2655410	2859157	66.79%	4.204%
49	12.645	1793	1795	1800	rBV3	208685	281076	6.57%	0.413%
50	12.810	1818	1823	1826	rBV2	2192692	2425856	56.67%	3.567%
51	12.951	1843	1847	1850	rBV	3822082	3762004	87.88%	5.531%
52	13.139	1876	1879	1883	rVB	541589	541040	12.64%	0.795%
53	13.204	1887	1890	1892	rVB2	417611	362202	8.46%	0.533%
54	13.651	1963	1966	1969	rVB4	250088	294988	6.89%	0.434%
55	13.780	1986	1988	1990	rVB	210482	155611	3.63%	0.229%
56	13.851	1997	2000	2009	rVB3	432879	817497	19.10%	1.202%
57	13.998	2021	2025	2029	rBV2	1466569	2173114	50.76%	3.195%
58	14.033	2029	2031	2034	rVB	1138777	869632	20.31%	1.279%
59	14.110	2042	2044	2050	rVB2	401197	444354	10.38%	0.653%
60	14.392	2090	2092	2095	rVB	266154	223537	5.22%	0.329%
61	15.045	2198	2203	2206	rBV	973337	1465058	34.22%	2.154%
62	15.098	2210	2212	2218	rVB2	165061	216806	5.06%	0.319%
63	15.151	2218	2221	2225	rBV	162793	181074	4.23%	0.266%
64	15.345	2250	2254	2260	rVB	562863	709035	16.56%	1.042%
65	15.410	2260	2265	2269	rVV	815481	1004592	23.47%	1.477%
66	15.468	2270	2275	2278	rVV	838192	1067261	24.93%	1.569%
67	15.498	2278	2280	2288	rVB	245694	321823	7.52%	0.473%
68	15.904	2345	2349	2353	rVB3	113262	174963	4.09%	0.257%
69	16.933	2517	2524	2530	rBV	389908	738361	17.25%	1.086%
70	17.104	2549	2553	2557	rBV2	58611	88758	2.07%	0.130%
71	17.156	2559	2562	2569	rVB3	61885	99958	2.33%	0.147%

LSC Area Percent Report

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Operator : HP/JU
Sample : K4136-06
Misc :
ALS Vial : 15 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : 1S-C1-C4-COMP-(30)

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-BF073019.M
Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

72	17.368	2592	2598	2610	rVB	295795	640882	14.97%	0.942%
73	17.615	2635	2640	2646	rBV2	67212	148081	3.46%	0.218%

Sum of corrected areas: 68016312

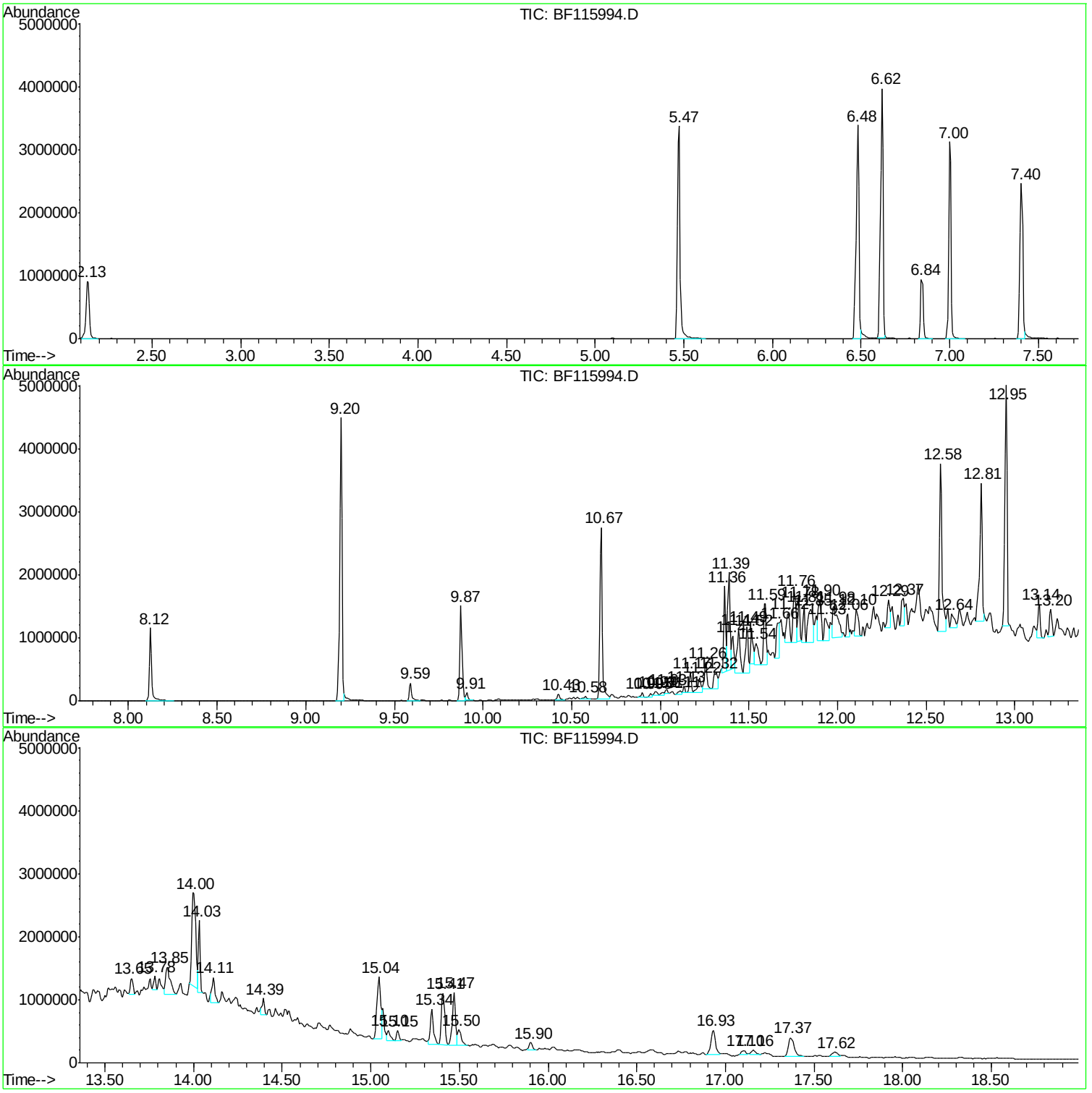
LSC Report - Integrated Chromatogram

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF080519\
Data File : BF115994.D
Acq On : 5 Aug 2019 21:48
Operator : HP/JU
Sample : K4136-06
Misc :
ALS Vial : 15 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : 1S-C1-C4-COMP-(30)

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF073019.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 F\DATA\BF080519\
Data File : BF115994.D
Acq On : 5 Aug 2019 21:48
Operator : HP/JU
Sample : K4136-06
Misc :
ALS Vial : 15 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : 1S-C1-C4-COMP-(30)

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF073019.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

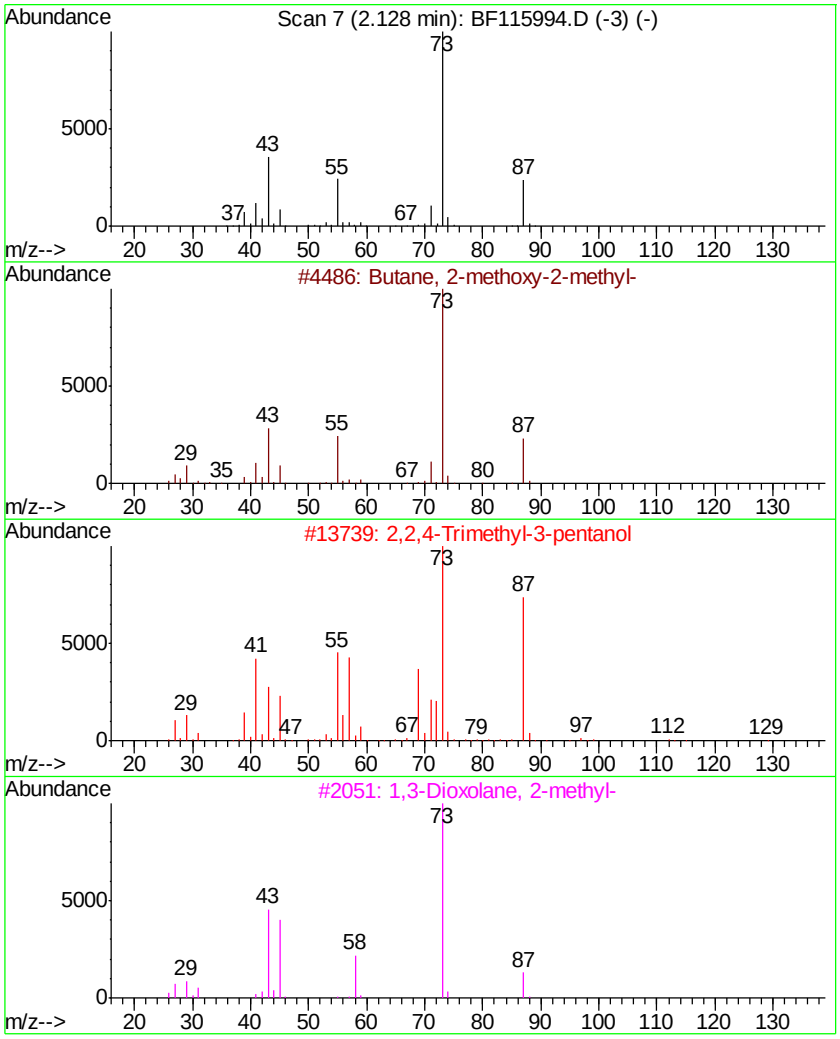
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

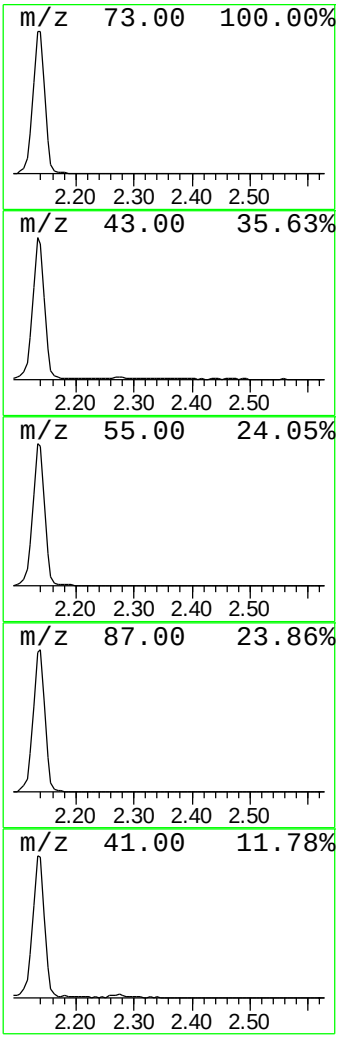
****

Peak Number 1 Butane, 2-methoxy-2-methyl- Concentration Rank 3

R.T.	EstConc	Area	Relative to ISTD	R.T.
2.13	29.85 ng	1281090	1,4-Dichlorobenzene-d4	6.84

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Butane, 2-methoxy-2-methyl-	102	C6H14O	000994-05-8	78
2	2,2,4-Trimethyl-3-pentanol	130	C8H18O	005162-48-1	39
3	1,3-Dioxolane, 2-methyl-	88	C4H8O2	000497-26-7	37
4	Pentane, 3-methoxy-	102	C6H14O	036839-67-5	23
5	Silane, tetramethyl-	88	C4H12Si	000075-76-3	17





Library Search Compound Report

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF080519\
Data File : BF115994.D
Acq On : 5 Aug 2019 21:48
Operator : HP/JU
Sample : K4136-06
Misc :
ALS Vial : 15 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : 1S-C1-C4-COMP-(30)

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF073019.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

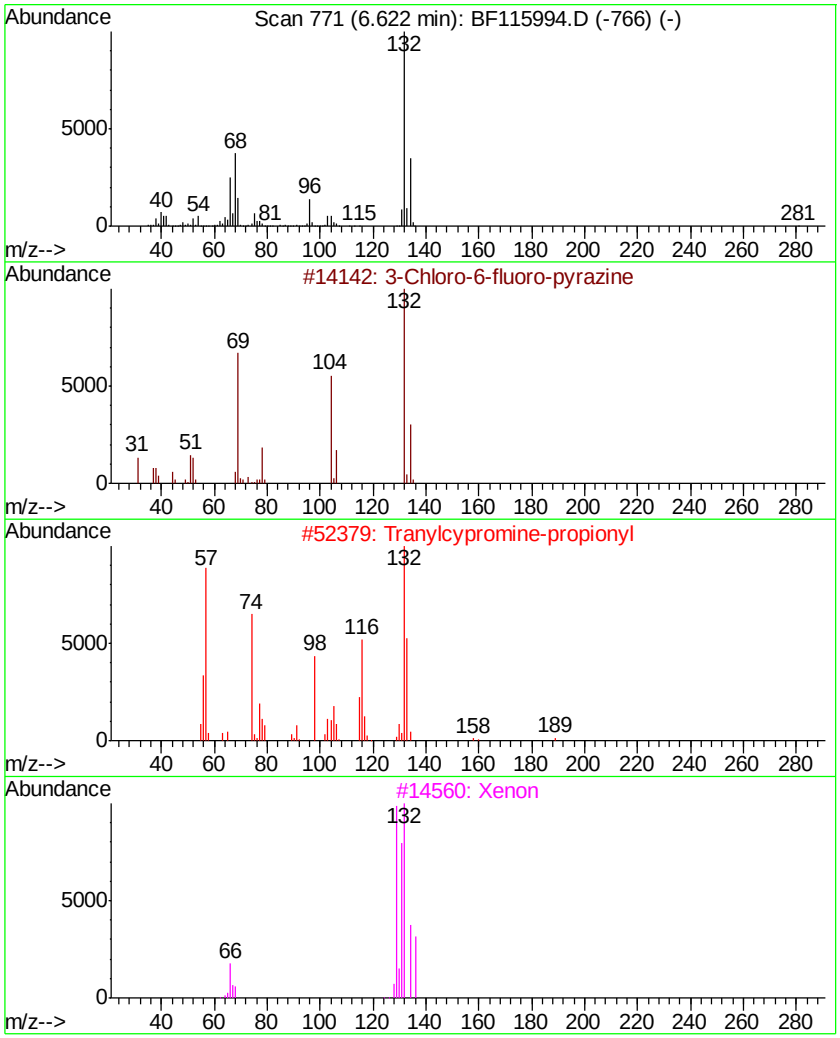
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

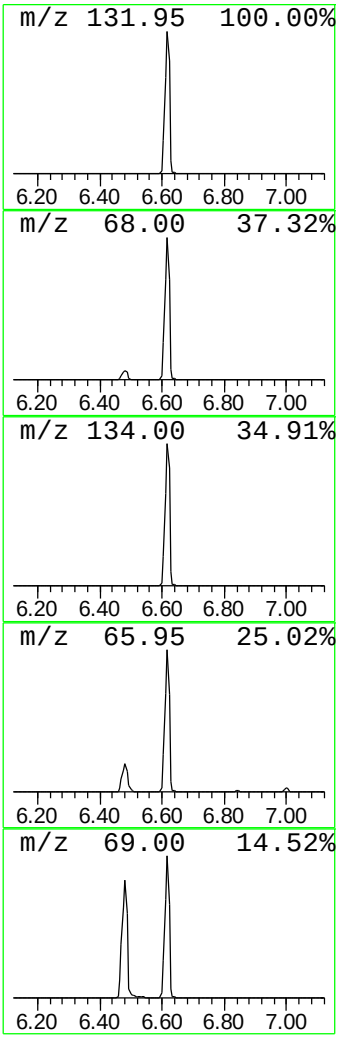
****

Peak Number 2 unknown6.62 Concentration Rank 1

R.T.	EstConc	Area	Relative to ISTD	R.T.
6.62	91.20 ng	3913680	1,4-Dichlorobenzene-d4	6.84

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	3-Chloro-6-fluoro-pyrazine	132	C4H2ClFN2	1000146-10-7	16
2	Tranylcypromine-propionyl	189	C12H15NO	1000123-86-3	12
3	Xenon	132	Xe	007440-63-3	9
4	Bicyclo[4.2.0]octa-1,3,5-triene,...	132	C10H12	028749-81-7	9
5	Benzene, 1-ethenyl-3,5-dimethyl-	132	C10H12	005379-20-4	9





Library Search Compound Report

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF080519\
Data File : BF115994.D
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Operator : HP/JU
Sample : K4136-06
Misc :
ALS Vial : 15 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : 1S-C1-C4-COMP-(30)

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF073019.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

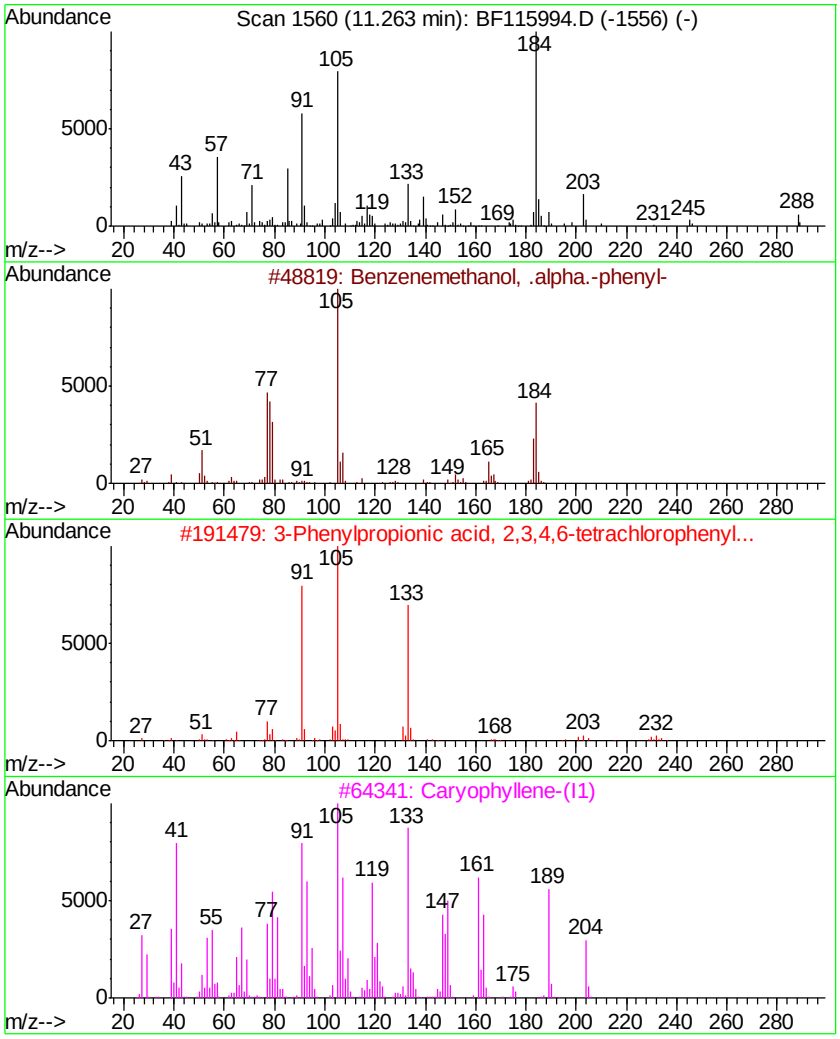
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

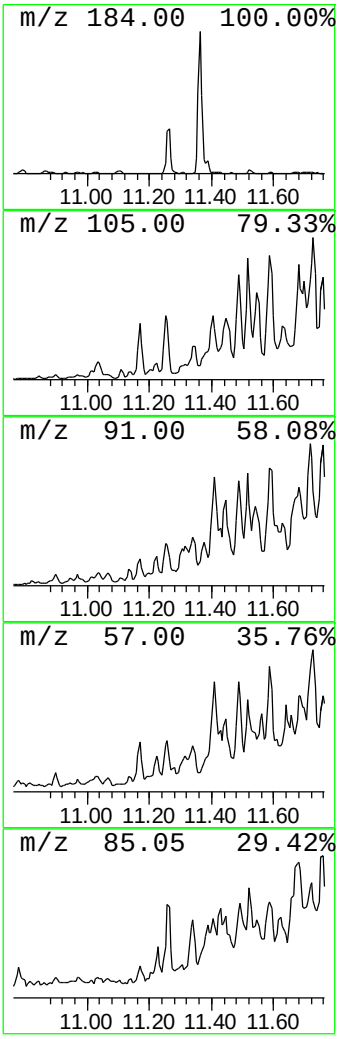
****

Peak Number 4 unknown11.26 Concentration Rank 18

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.26	7.54 ng	449965	Phenanthrene-d10	11.36

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzenemethanol, .alpha.-phenyl-	184	C13H12O	000091-01-0	27
2	3-Phenylpropionic acid, 2,3,4,6-...	362	C15H10Cl4O2	1000354-74-6	27
3	Caryophyllene-(I1)	204	C15H24	1000158-18-5	25
4	3-Cyanophenyl-.beta.-phenylpropi...	251	C16H13NO2	040123-39-5	16
5	3-Phenylpropionic acid, 3,5-difl...	262	C15H12F2O2	1000299-02-0	16





Library Search Compound Report

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Misc :
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Instrument : BNA_F
ClientSampleId : 1S-C1-C4-COMP-(30)

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF073019.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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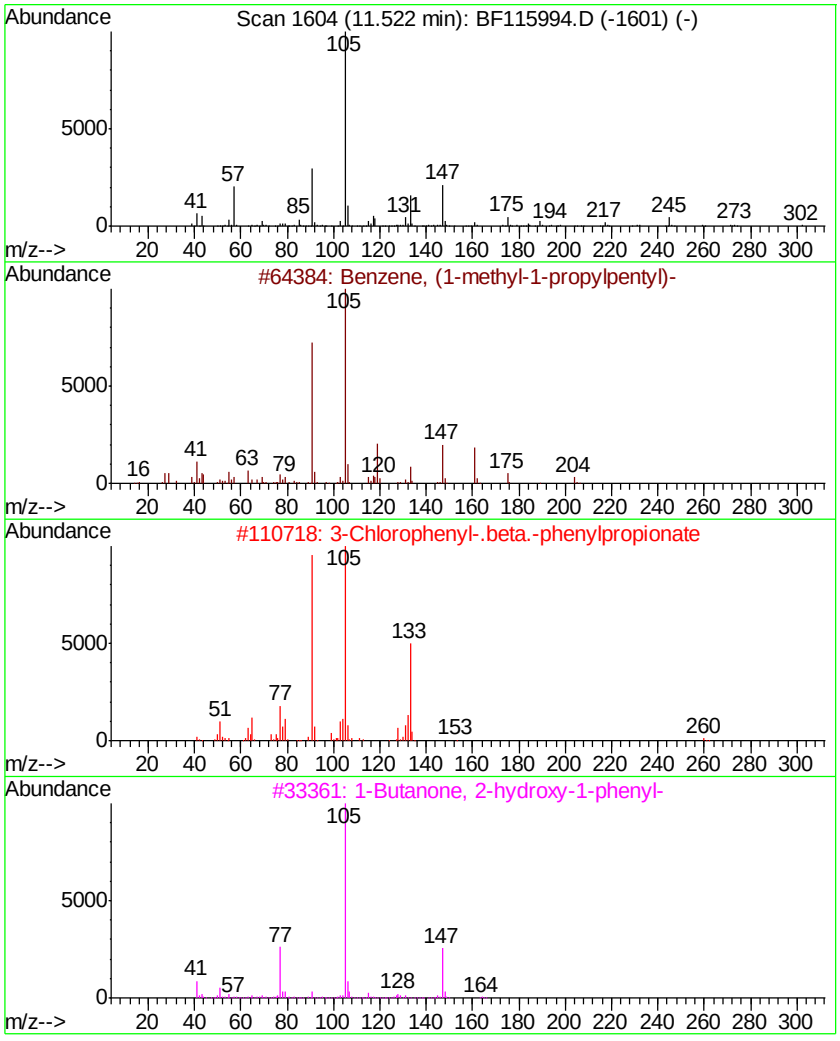
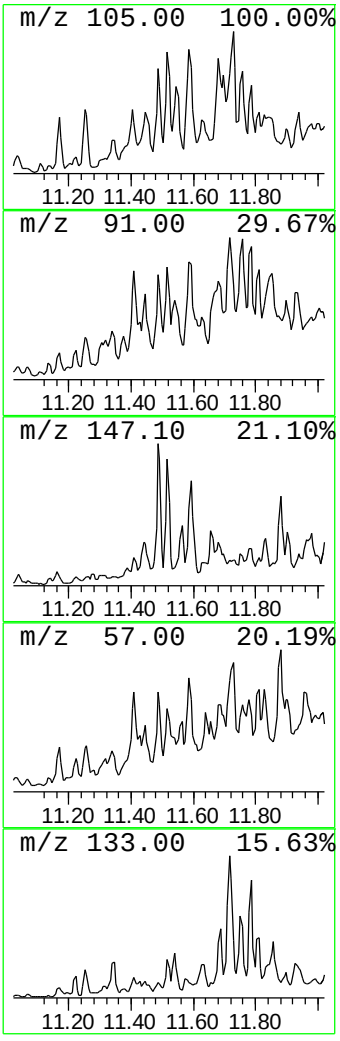
Peak Number 5 unknown11.52 Concentration Rank 17

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.52	7.98 ng	476352	Phenanthrene-d10	11.36

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzene, (1-methyl-1-propylpentyl)-	204	C15H24	054932-91-1	45
2	3-Chlorophenyl-.beta.-phenylprop...	260	C15H13ClO2	023522-74-9	32
3	1-Butanone, 2-hydroxy-1-phenyl-	164	C10H12O2	016183-46-3	23
4	1,5-Diphenyl-1,5-pentanedione	252	C17H16O2	006263-83-8	23
5	(+-)-N-Benzyl-alpha-methyl-N-nit...	240	C15H16N2O	028179-11-5	17





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Operator : HP/JU
Sample : K4136-06
Misc :
ALS Vial : 15 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : 1S-C1-C4-COMP-(30)

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF073019.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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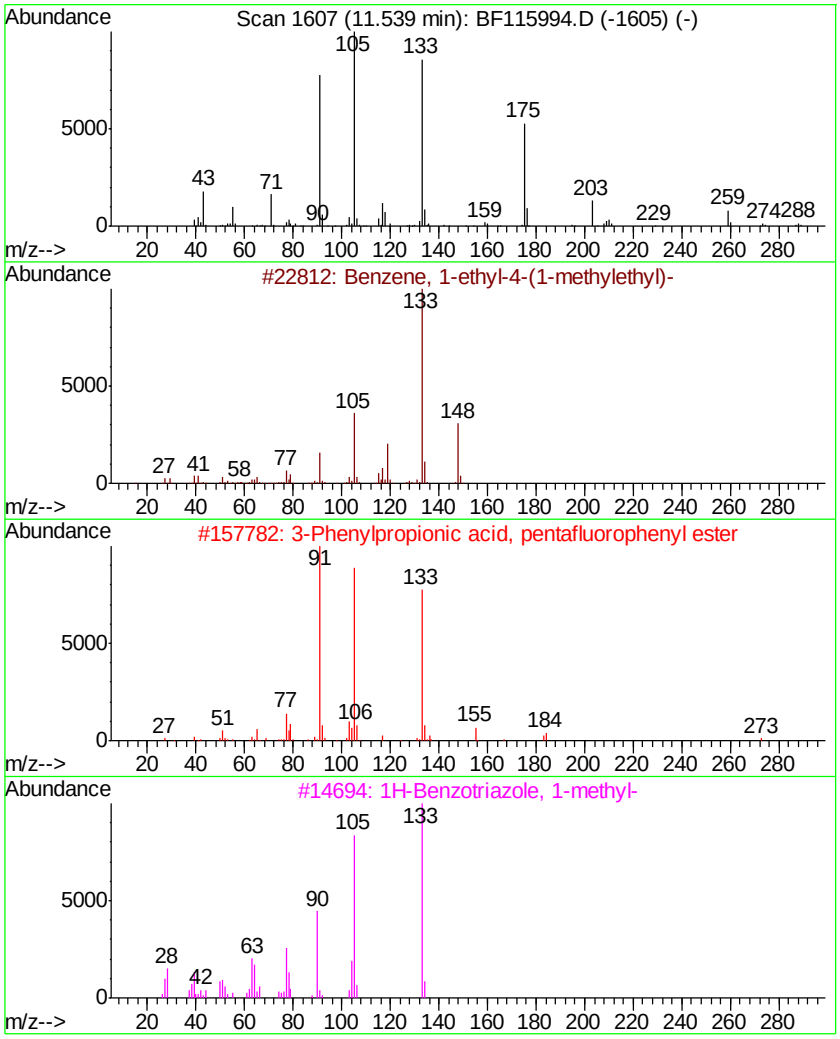
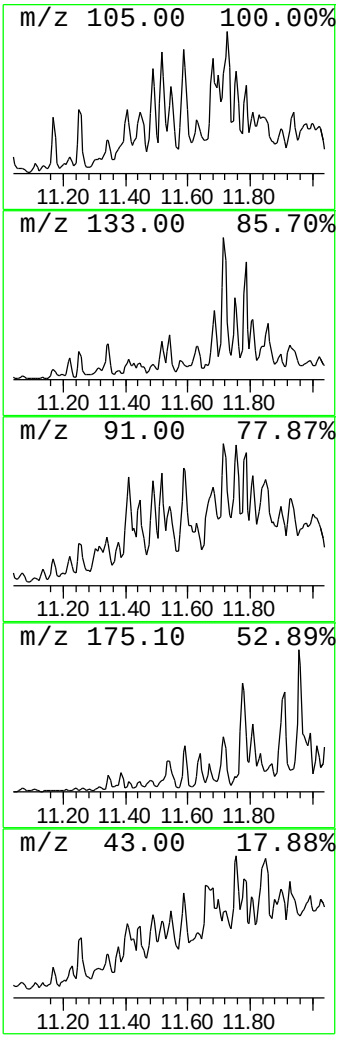
Peak Number 6 unknown11.54 Concentration Rank 16

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.54	8.33 ng	497344	Phenanthrene-d10	11.36

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzene, 1-ethyl-4-(1-methylethyl)-	148	C11H16	004218-48-8	38
2	3-Phenylpropionic acid, pentaflu...	316	C15H9F5O2	1000354-73-7	38
3	1H-Benzotriazole, 1-methyl-	133	C7H7N3	013351-73-0	38
4	4-Nitrophenyl-.beta.-phenylpropi...	271	C15H13NO4	017895-71-5	38
5	3-Phenylpropionic acid, 2,4,6-tr...	328	C15H11Cl3O2	1000325-76-3	38





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Data File : BF115994.D
Acq On : 5 Aug 2019 21:48
Operator : HP/JU
Sample : K4136-06
Misc :
ALS Vial : 15 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : 1S-C1-C4-COMP-(30)

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF073019.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

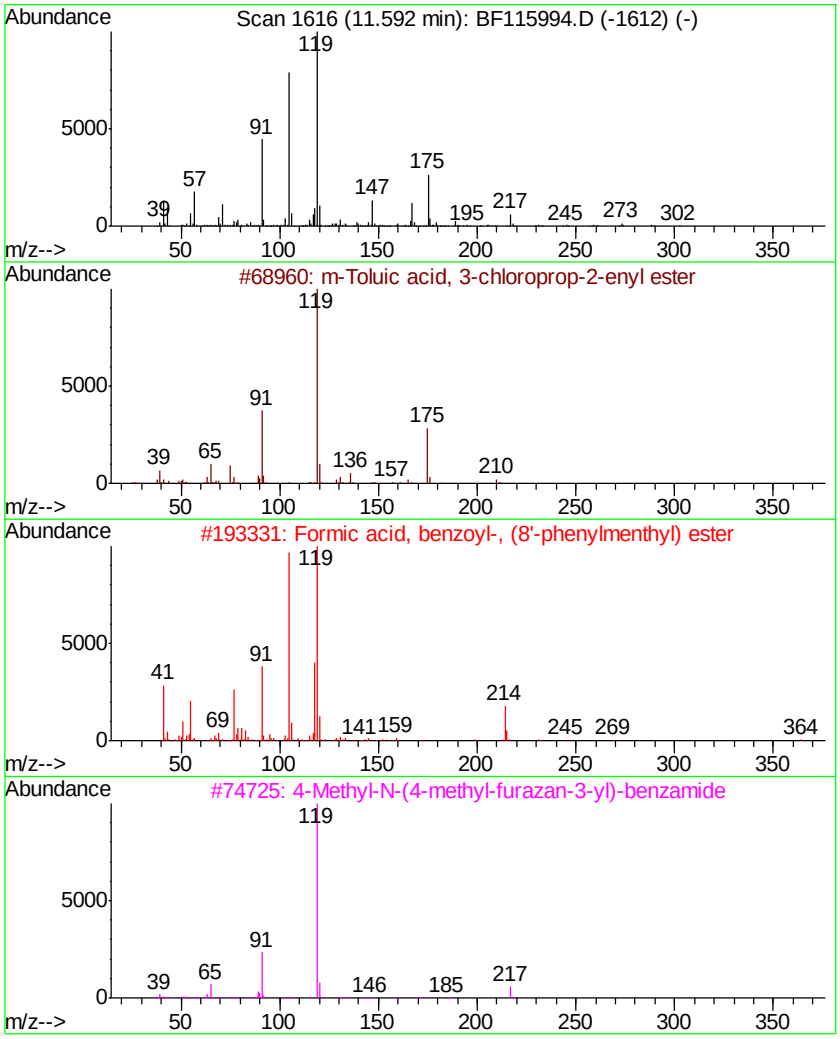
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

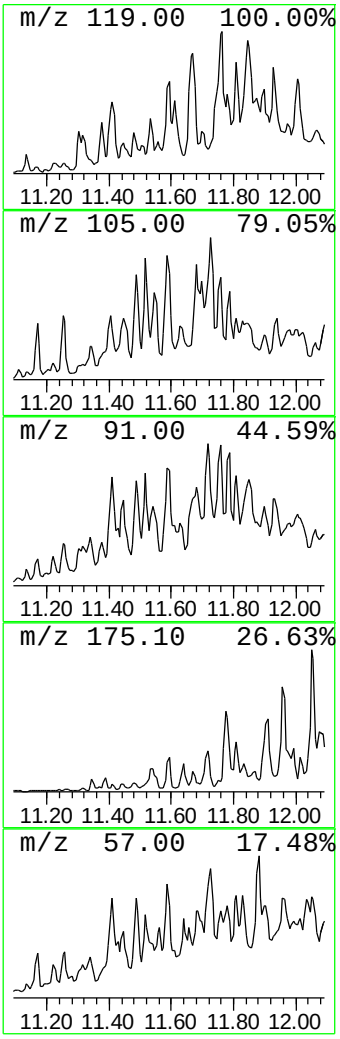
****

Peak Number 7 m-Toluic acid, 3-chloroprop... Concentration Rank 4

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.59	18.37 ng	1095980	Phenanthrene-d10	11.36

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	m-Toluic acid, 3-chloroprop-2-en...	210	C11H11ClO2	1000292-50-0	53
2	Formic acid, benzoyl-, (8'-phenyl...	364	C24H28O3	088002-15-7	50
3	4-Methyl-N-(4-methyl-furazan-3-y...	217	C11H11N3O2	1000295-66-1	43
4	Benzene, 1,1'-(1,1,2,2-tetrameth...	238	C18H22	001889-67-4	43
5	Benzenepropanoic acid, .beta.,.b...	192	C12H16O2	025080-84-6	43





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Acq On : 5 Aug 2019 21:48
Operator : HP/JU
Sample : K4136-06
Misc :
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Instrument : BNA_F
ClientSampleId : 1S-C1-C4-COMP-(30)

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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

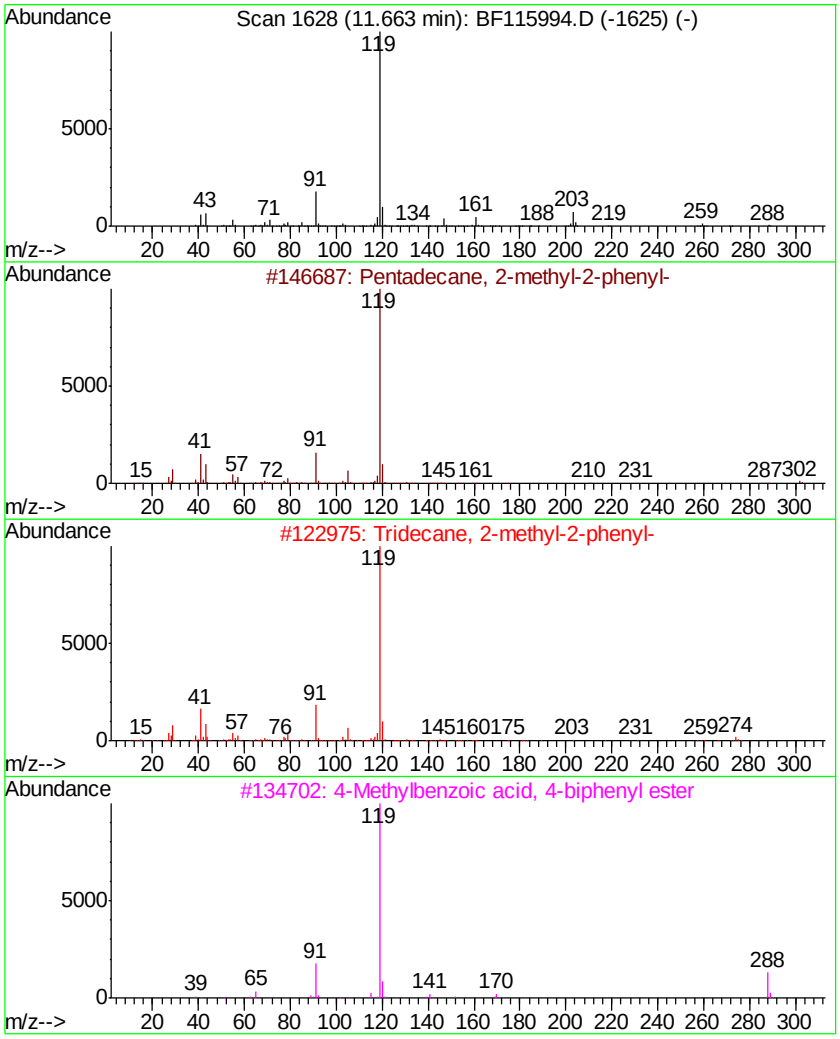
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

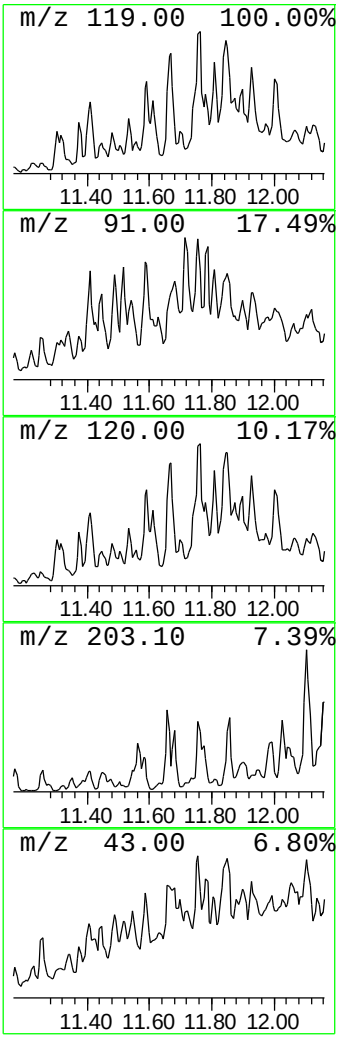
****

Peak Number 8 Tridecane, 2-methyl-2-phenyl- Concentration Rank 10

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.66	9.80 ng	584889	Phenanthrene-d10	11.36

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Pentadecane, 2-methyl-2-phenyl-	302	C22H38	029138-94-1	64
2	Tridecane, 2-methyl-2-phenyl-	274	C20H34	027854-41-7	64
3	4-Methylbenzoic acid, 4-biphenyl...	288	C20H16O2	1000354-15-9	64
4	Benzoic acid, 3-methyl-, 4-biphe...	288	C20H16O2	1000355-71-6	64
5	Benzene, (1,1,4,6,6-pentamethylh...	246	C18H30	055134-07-1	64





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Instrument : BNA_F
ClientSampleId : 1S-C1-C4-COMP-(30)

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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

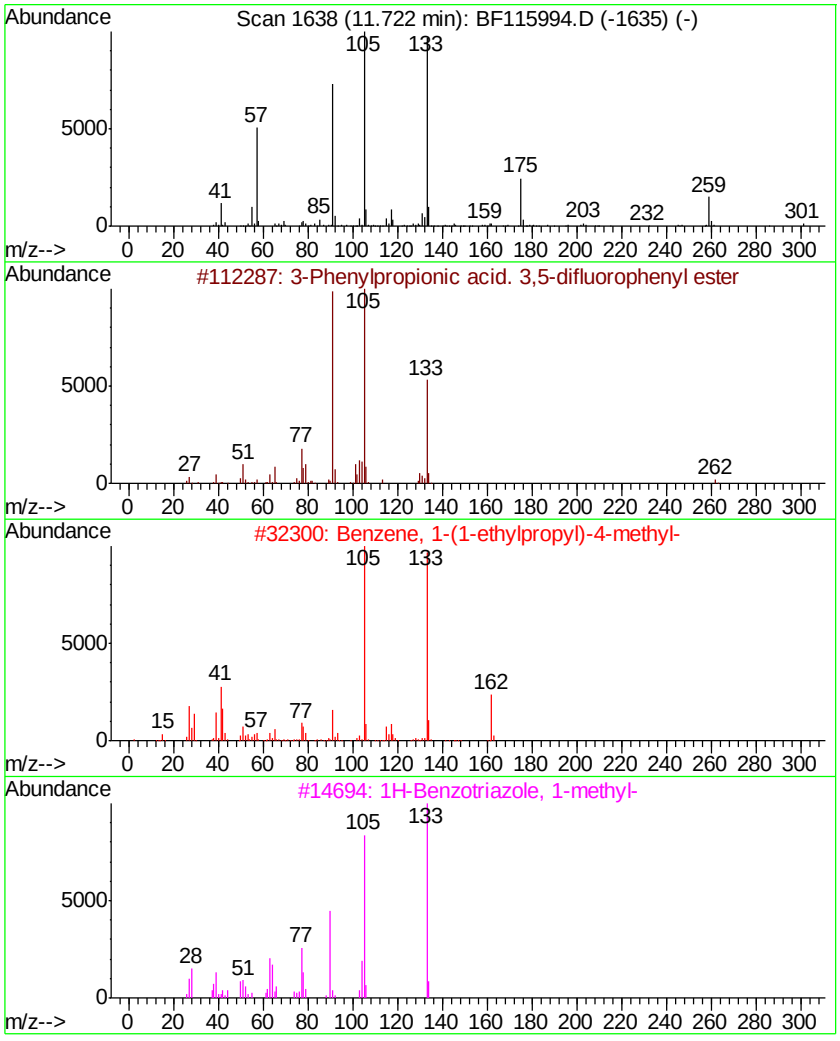
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

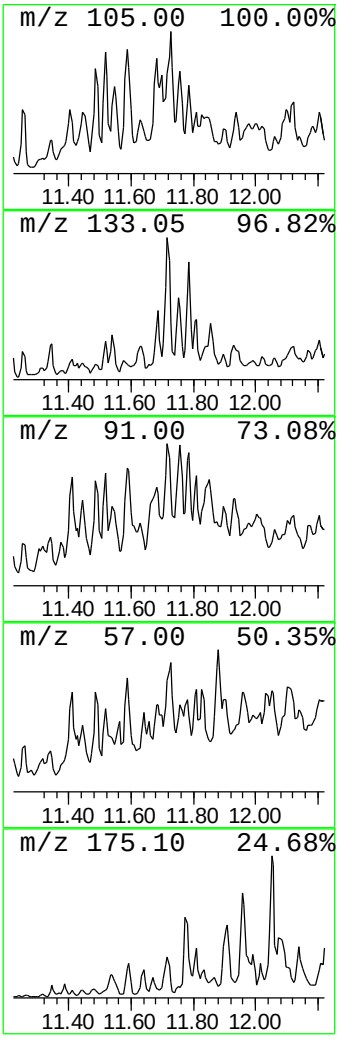
****

Peak Number 9 3-Phenylpropionic acid. 3,5... Concentration Rank 11

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.72	9.36 ng	558750	Phenanthrene-d10	11.36

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	3-Phenylpropionic acid. 3,5-difl...	262	C15H12F2O2	1000299-02-0	59
2	Benzene, 1-(1-ethylpropyl)-4-met...	162	C12H18	022975-58-2	53
3	1H-Benzotriazole, 1-methyl-	133	C7H7N3	013351-73-0	52
4	1-Propanone, 2-chloro-1-(2,4-dim...	210	C12H15ClO	054965-53-6	50
5	Benzamide, 4-ethyl-N-(4-chloroph...	259	C15H14ClNO	1000340-35-1	50





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Instrument : BNA_F
ClientSampleId : 1S-C1-C4-COMP-(30)

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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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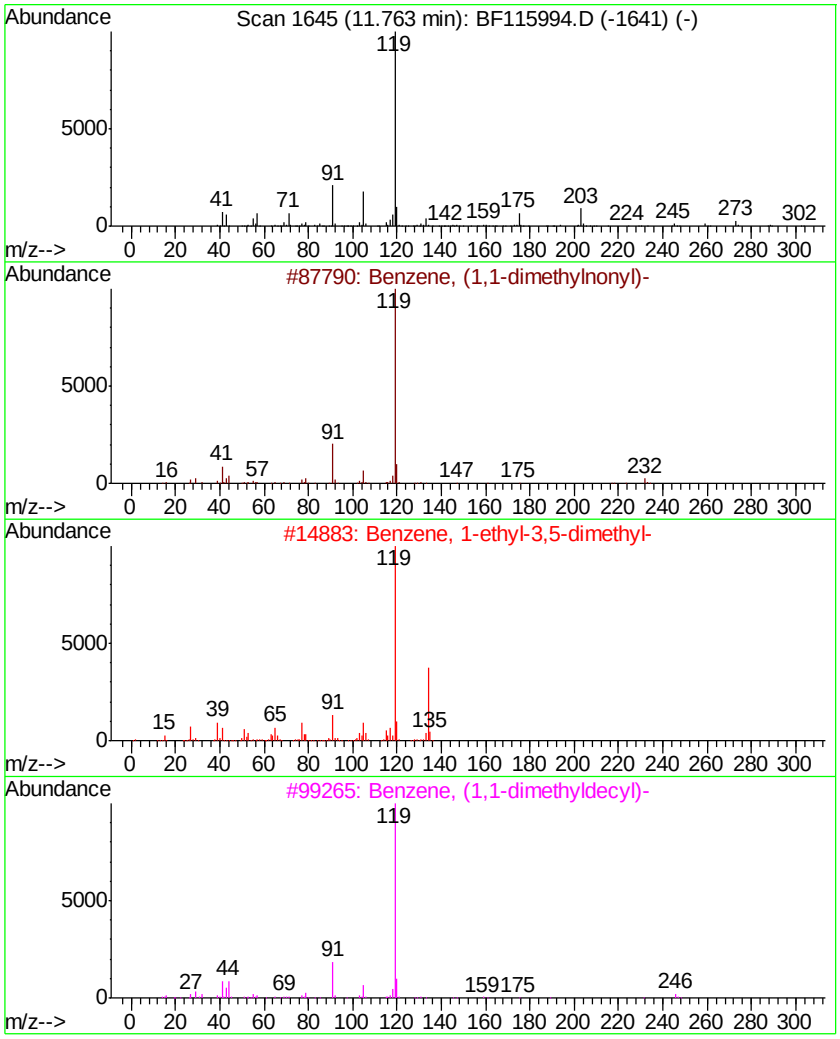
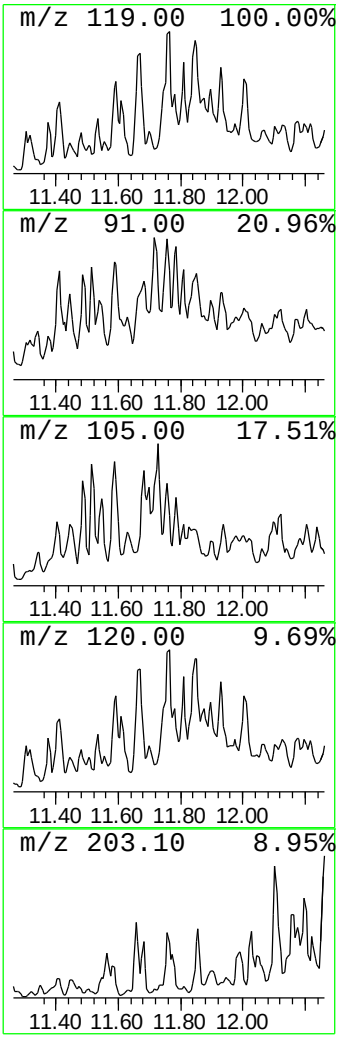
Peak Number 10 Benzene, (1,1-dimethylnonyl)- Concentration Rank 7

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.76	13.93 ng	830960	Phenanthrene-d10	11.36

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzene, (1,1-dimethylnonyl)-	232	C17H28	055191-25-8	50
2	Benzene, 1-ethyl-3,5-dimethyl-	134	C10H14	000934-74-7	50
3	Benzene, (1,1-dimethyldecyl)-	246	C18H30	027854-40-6	50
4	Benzoic acid, 2,5-dimethyl-, (2,...	268	C18H20O2	055000-48-1	50
5	[4-(Toluene-4-sulfonyl)piperazin...	358	C19H22N2O3S	1000304-01-5	50





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Operator : HP/JU
Sample : K4136-06
Misc :
ALS Vial : 15 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : 1S-C1-C4-COMP-(30)

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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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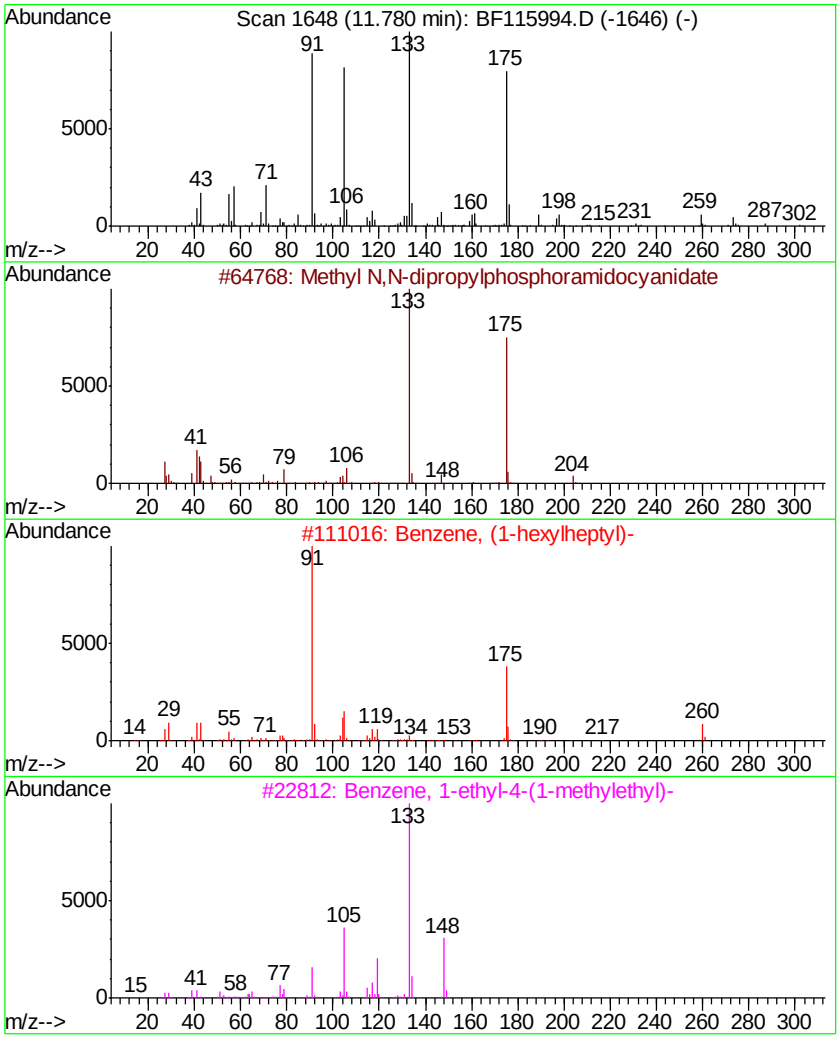
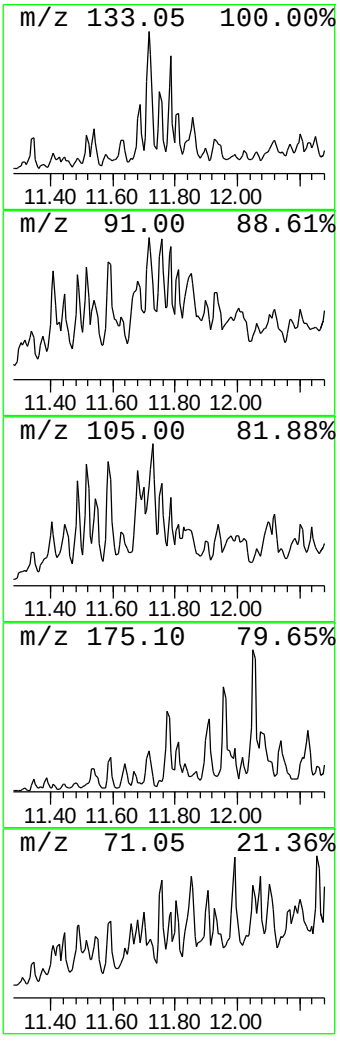
Peak Number 11 Methyl N,N-dipropylphosphor... Concentration Rank 12

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.78	9.35 ng	558140	Phenanthrene-d10	11.36

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Methyl N,N-dipropylphosphoramido...	204	C8H17N2O2P	1000298-42-0	53
2	Benzene, (1-hexylheptyl)-	260	C19H32	002400-01-3	38
3	Benzene, 1-ethyl-4-(1-methylethyl)-	148	C11H16	004218-48-8	35
4	Benzene, 1-(1-ethylpropyl)-4-met...	162	C12H18	022975-58-2	35
5	1H-Benzotriazole, 1-methyl-	133	C7H7N3	013351-73-0	27





Library Search Compound Report

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Acq On : 5 Aug 2019 21:48
Operator : HP/JU
Sample : K4136-06
Misc :
ALS Vial : 15 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : 1S-C1-C4-COMP-(30)

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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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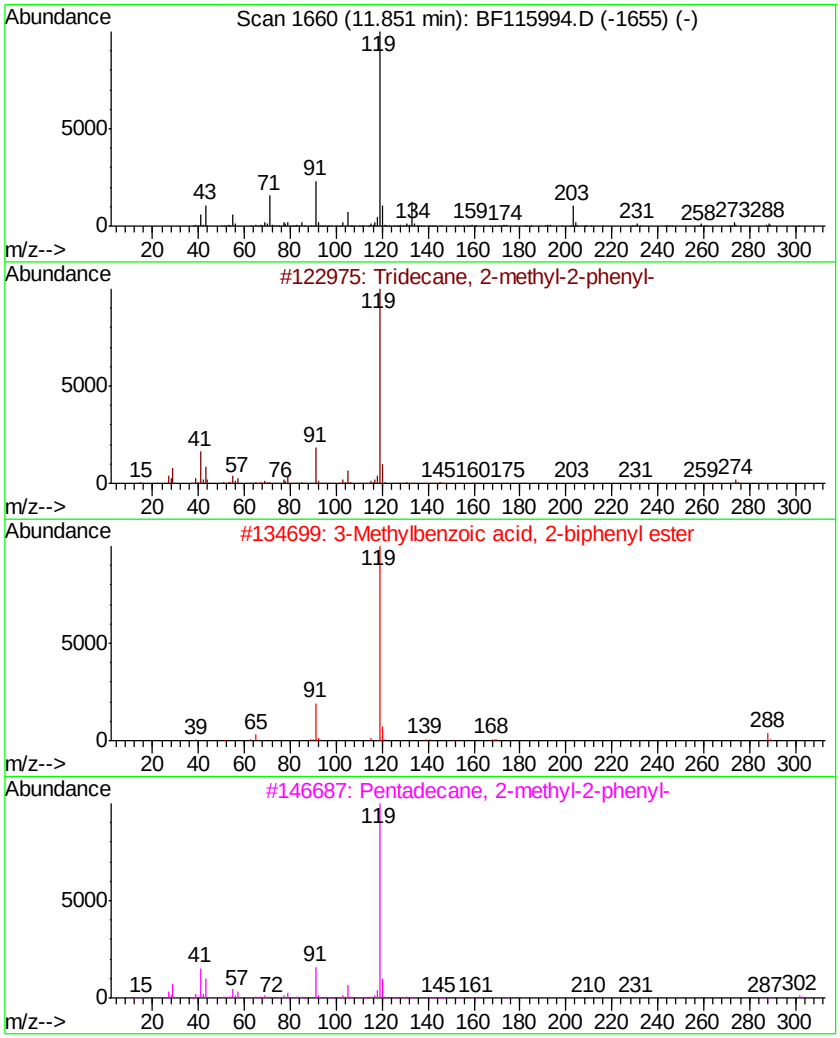
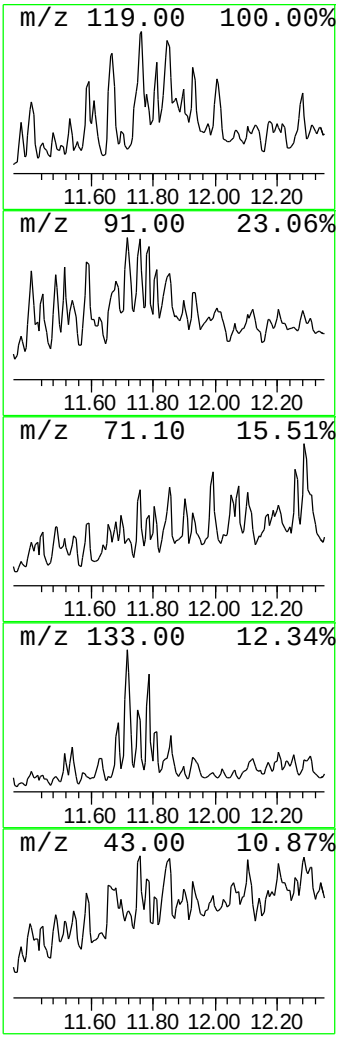
Peak Number 12 3-Methylbenzoic acid, 2-bip... Concentration Rank 6

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.85	17.06 ng	1017910	Phenanthrene-d10	11.36

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Tridecane, 2-methyl-2-phenyl-	274	C20H34	027854-41-7	53
2	3-Methylbenzoic acid, 2-biphenyl...	288	C20H16O2	1000331-27-0	53
3	Pentadecane, 2-methyl-2-phenyl-	302	C22H38	029138-94-1	53
4	Benzene, (1,1-dimethyldecyl)-	246	C18H30	027854-40-6	53
5	Benzamide, N-(3-chlorophenyl)-2-...	245	C14H12ClNO	1000307-00-4	50





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Instrument : BNA_F
ClientSampleId : 1S-C1-C4-COMP-(30)

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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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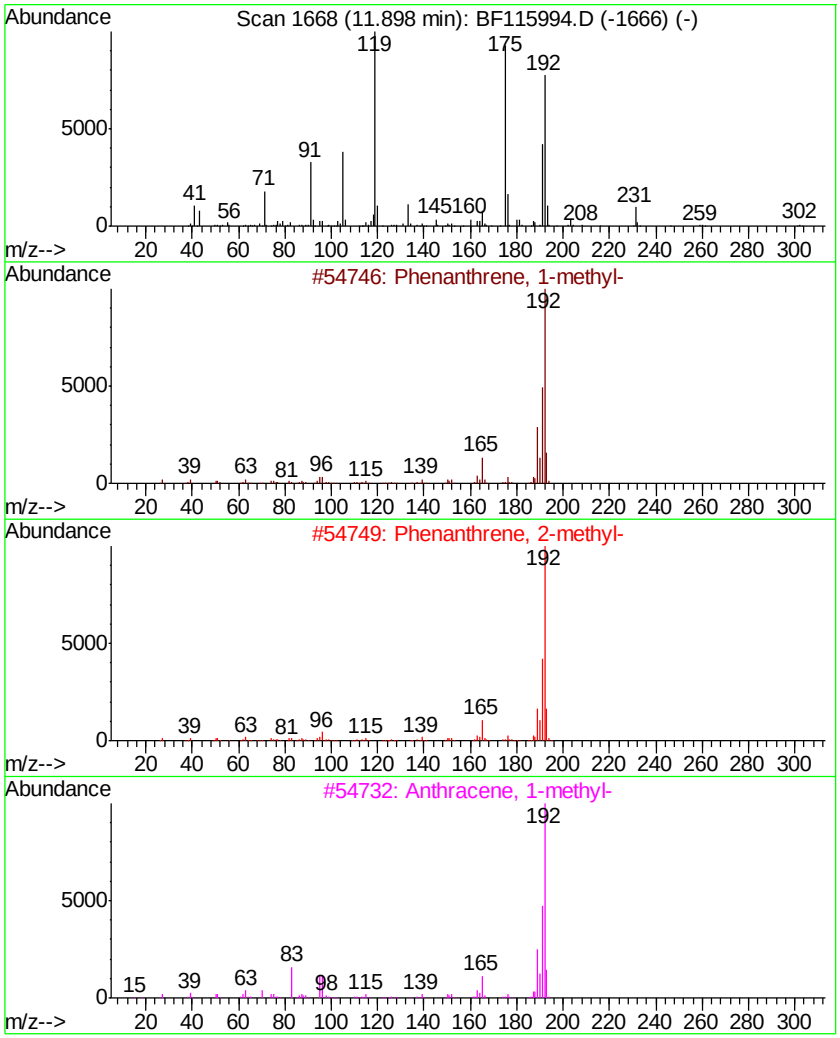
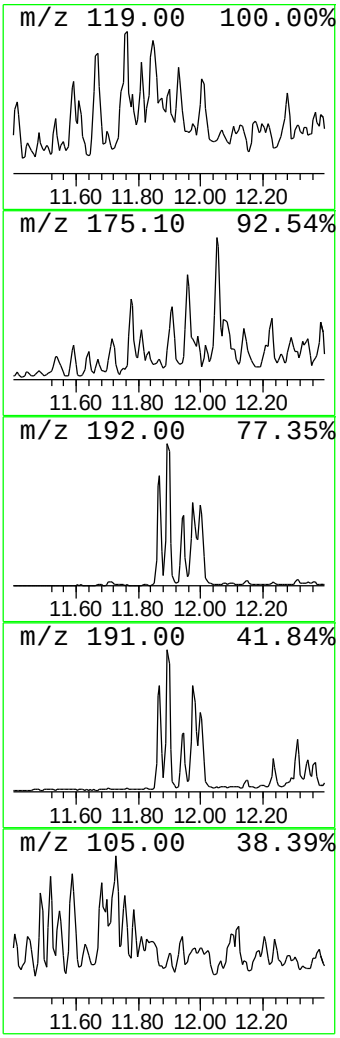
Peak Number 13 Phenanthrene, 1-methyl- Concentration Rank 9

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.90	11.30 ng	674511	Phenanthrene-d10	11.36

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Phenanthrene, 1-methyl-	192	C15H12	000832-69-9	56
2	Phenanthrene, 2-methyl-	192	C15H12	002531-84-2	42
3	Anthracene, 1-methyl-	192	C15H12	000610-48-0	42
4	Anthracene, 2-methyl-	192	C15H12	000613-12-7	42
5	Phenanthrene, 3-methyl-	192	C15H12	000832-71-3	42





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Sample : K4136-06
Misc :
ALS Vial : 15 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : 1S-C1-C4-COMP-(30)

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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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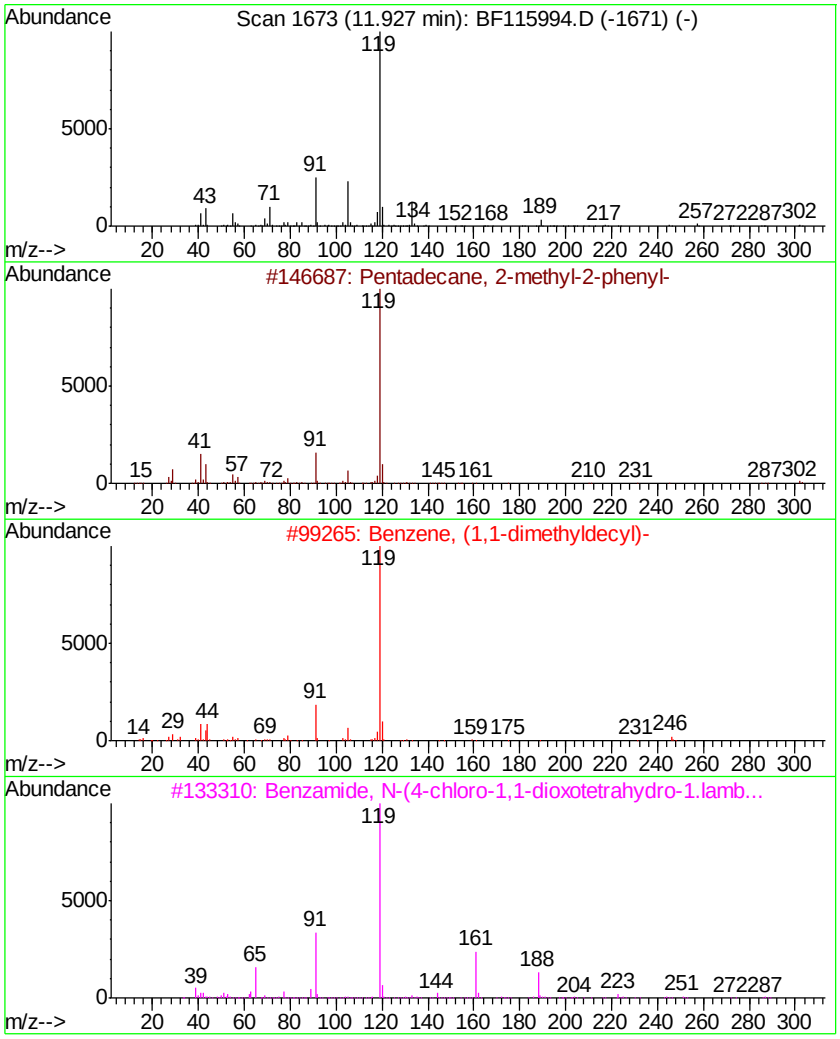
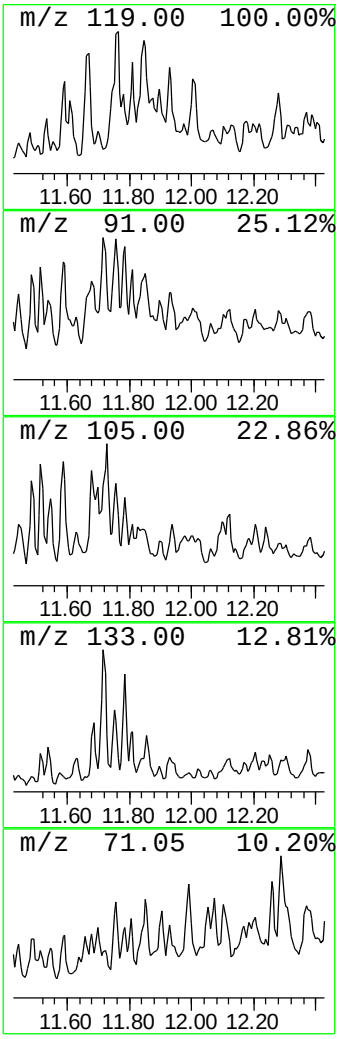
Peak Number 14 Pentadecane, 2-methyl-2-phe... Concentration Rank 14

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.93	9.09 ng	542132	Phenanthrene-d10	11.36

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Pentadecane, 2-methyl-2-phenyl-	302	C22H38	029138-94-1	52
2	Benzene, (1,1-dimethyldecyl)-	246	C18H30	027854-40-6	50
3	Benzamide, N-(4-chloro-1,1-dioxo...	287	C12H14ClNO3S	1000310-65-3	50
4	Benzamide, N-(3-chlorophenyl)-2-...	245	C14H12ClNO	1000307-00-4	47
5	m-Toluic acid, cyclobutyl ester	190	C12H14O2	1000292-23-2	47





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Instrument : BNA_F
ClientSampleId : 1S-C1-C4-COMP-(30)

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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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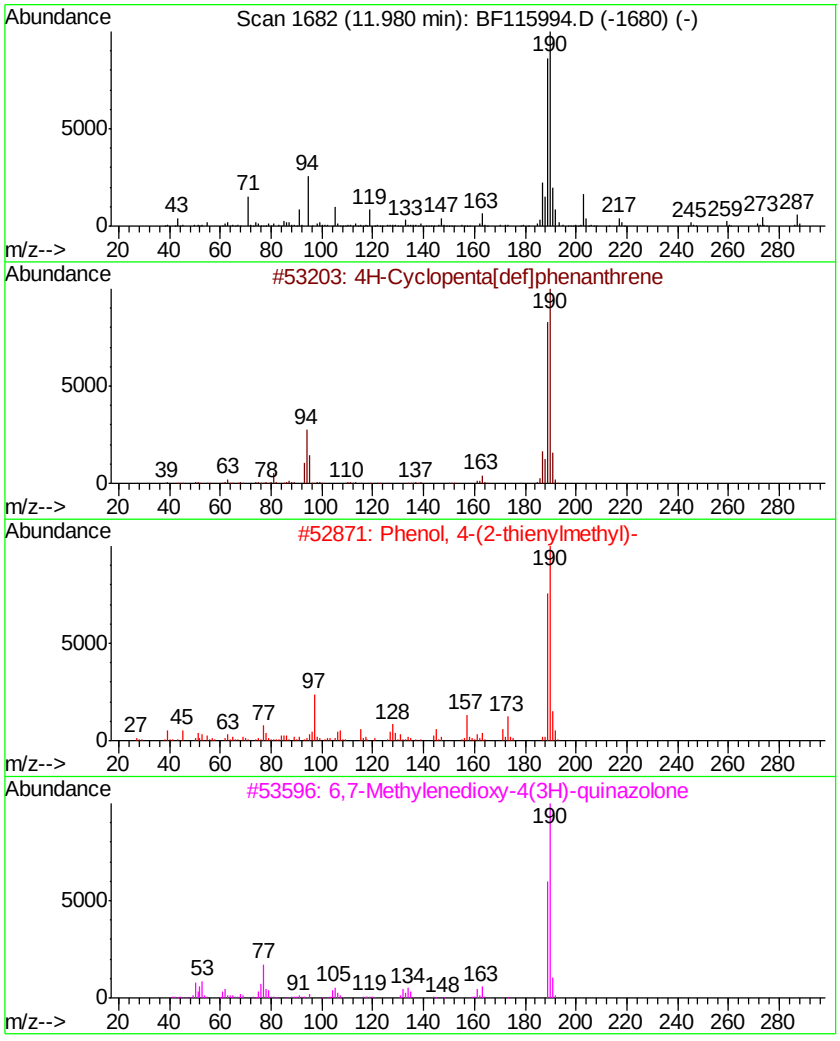
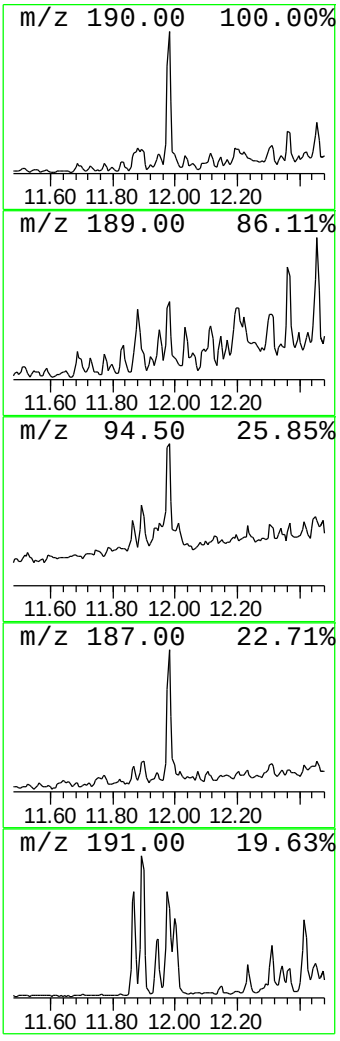
Peak Number 15 4H-Cyclopenta[def]phenanthrene Concentration Rank 5

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.98	17.07 ng	1018490	Phenanthrene-d10	11.36

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	4H-Cyclopenta[def]phenanthrene	190	C15H10	000203-64-5	87
2	Phenol, 4-(2-thienylmethyl)-	190	C11H10OS	091680-55-6	53
3	6,7-Methylenedioxy-4(3H)-quinazo...	190	C9H6N2O3	028310-11-4	50
4	Methyl diselenide	190	C2H6Se2	007101-31-7	50
5	2,2'-Bis(4,5-dimethylimidazole)	190	C10H14N4	069286-06-2	45





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Misc :
ALS Vial : 15 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : 1S-C1-C4-COMP-(30)

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF073019.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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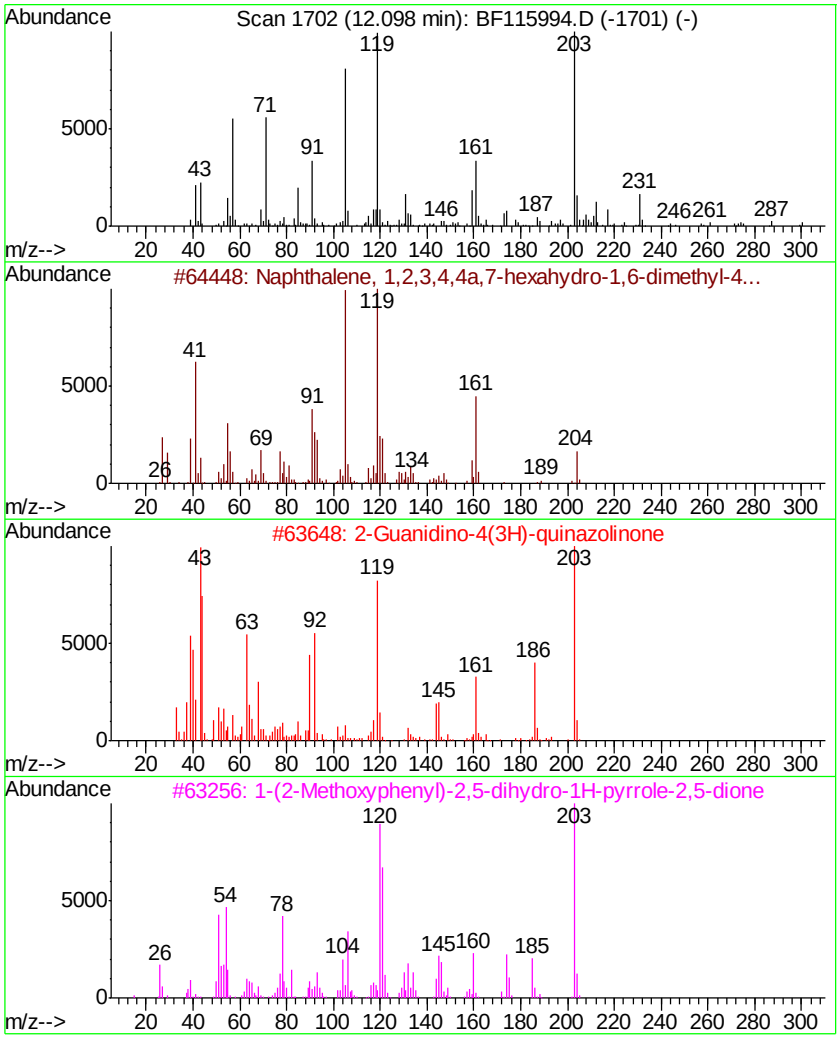
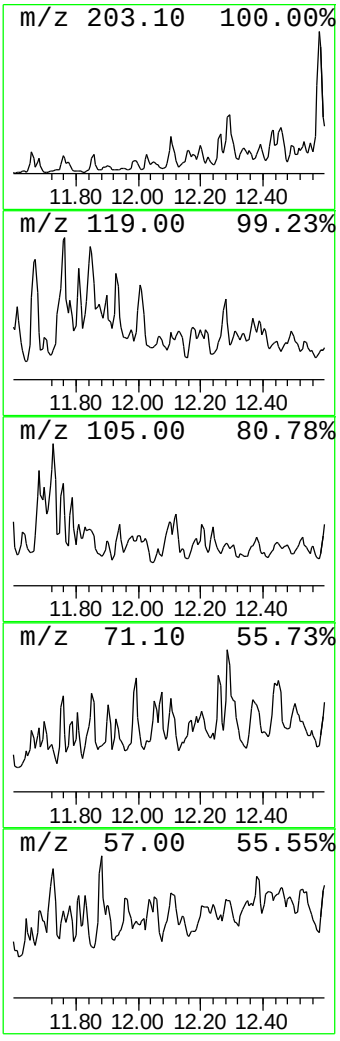
Peak Number 16 unknown12.10 Concentration Rank 13

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.10	9.30 ng	555097	Phenanthrene-d10	11.36

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Naphthalene, 1,2,3,4,4a,7-hexahy...	204	C15H24	016728-99-7	38
2	2-Guanidino-4(3H)-quinazolinone	203	C9H9N5O	062936-92-9	27
3	1-(2-Methoxyphenyl)-2,5-dihydro-...	203	C11H9NO3	017392-68-6	25
4	2,4,4,6-Tetramethyl-6-phenylheptane	232	C17H28	1000293-28-6	18
5	2,4,4,6-Tetramethyl-6-phenyl-1-h...	230	C17H26	1000293-27-9	15





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Misc :
ALS Vial : 15 Sample Multiplier: 1

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ClientSampleId : 1S-C1-C4-COMP-(30)

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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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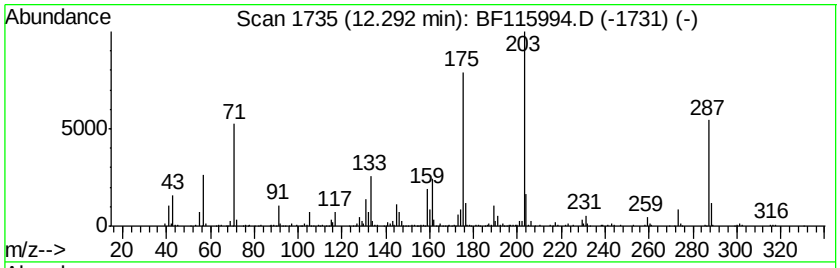
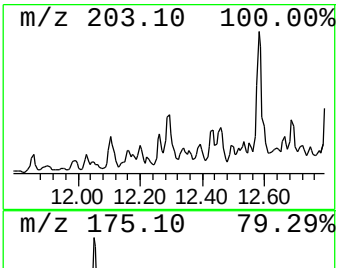
Peak Number 17 unknown12.29 Concentration Rank 15

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.29	8.77 ng	523215	Phenanthrene-d10	11.36

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	8-Amino-5-[3-butenoxy]-6-methoxy...	258	C15H18N2O2	108190-65-4	35
2	2H-1-Benzopyran-2-one, 7-(dimeth...	203	C12H13NO2	000087-01-4	30
3	1,3,5-Cycloheptatriene, 2,5-dihe...	288	C21H36	1000160-93-4	22
4	Neoisolongifolene, 8-bromo-	282	C15H23Br	1000151-64-8	22
5	Naphtho(2,1,8-def)quinoline	203	C15H9N	000313-80-4	22





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Misc :
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Instrument : BNA_F
ClientSampleId : 1S-C1-C4-COMP-(30)

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF073019.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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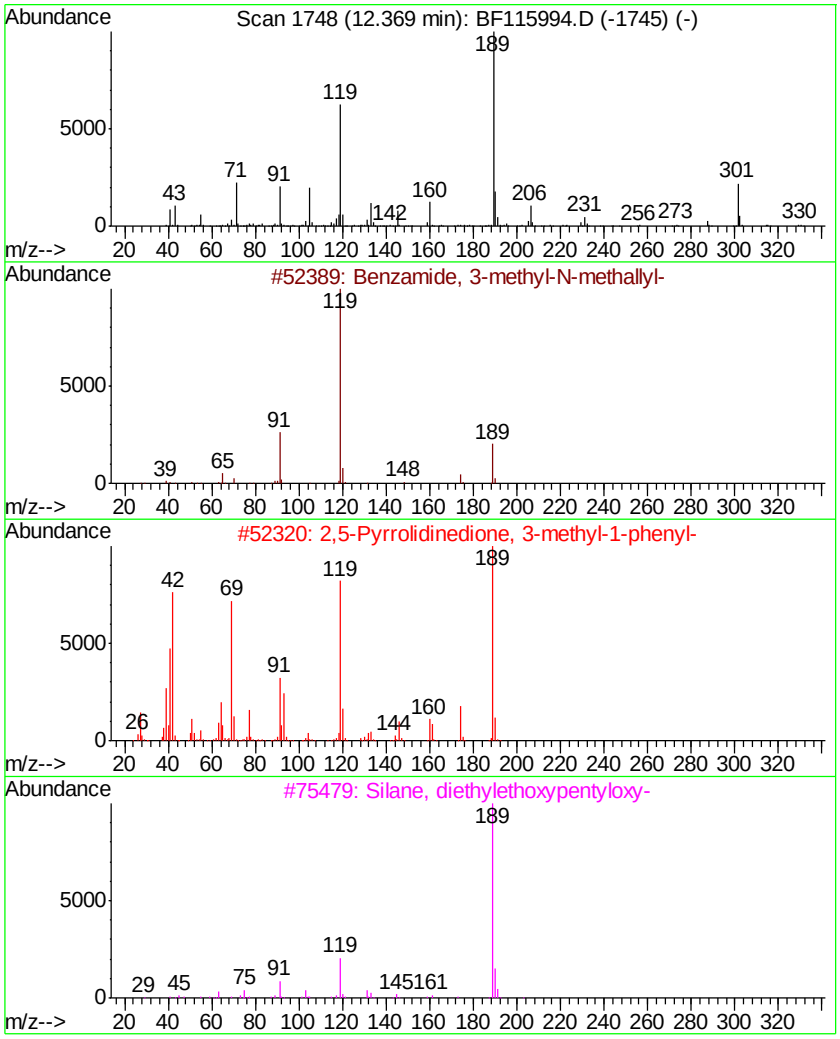
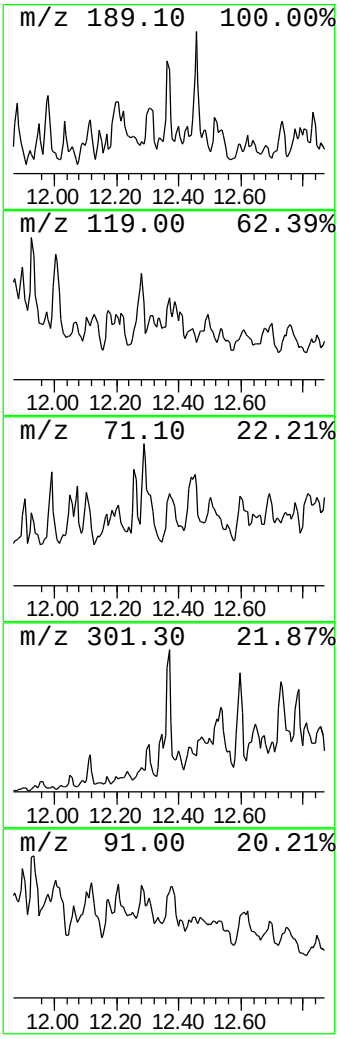
Peak Number 18 unknown12.37 Concentration Rank 20

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.37	6.97 ng	415665	Phenanthrene-d10	11.36

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzamide, 3-methyl-N-methallyl-	189	C12H15NO	1000339-09-9	43
2	2,5-Pyrrolidinedione, 3-methyl-1...	189	C11H11NO2	075619-07-7	40
3	Silane, diethylethoxypentyloxy-	218	C11H26O2Si	1000363-02-7	38
4	Silane, diethylethoxy(2-methylbu...	218	C11H26O2Si	1000363-09-5	38
5	Benzene, 1,3,5-tris(1-methylethyl)-	204	C15H24	000717-74-8	37





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Data File : BF115994.D
Acq On : 5 Aug 2019 21:48
Operator : HP/JU
Sample : K4136-06
Misc :
ALS Vial : 15 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : 1S-C1-C4-COMP-(30)

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF073019.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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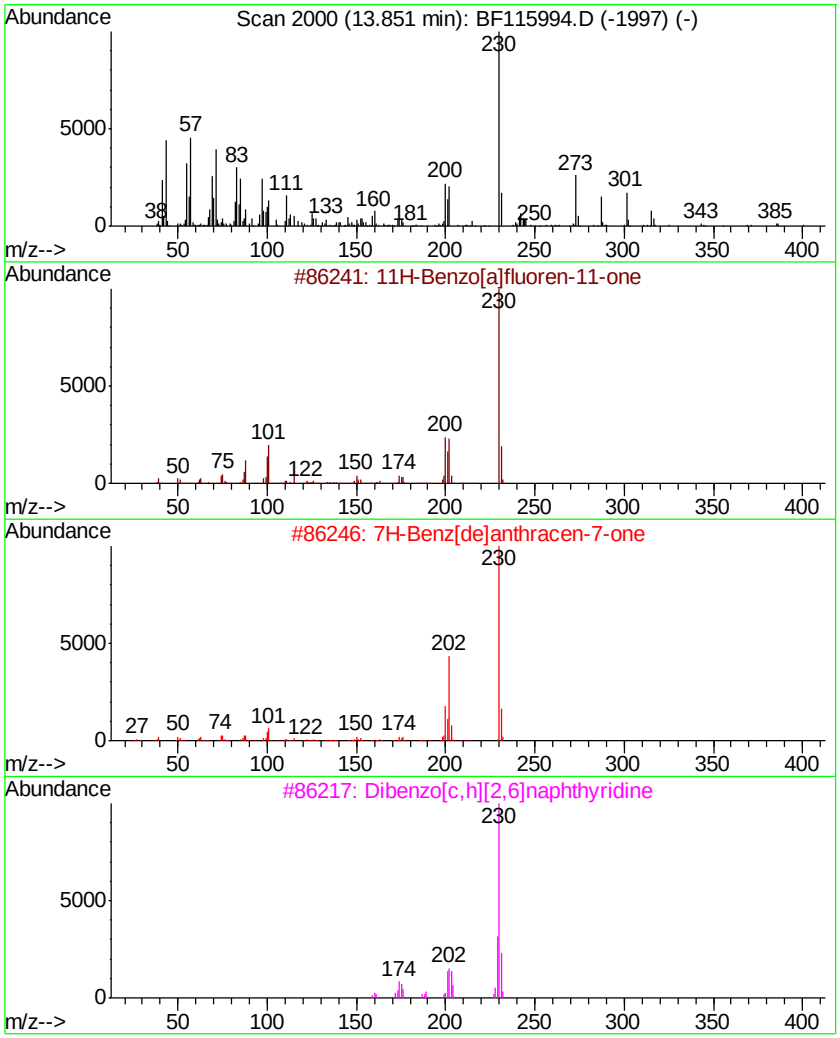
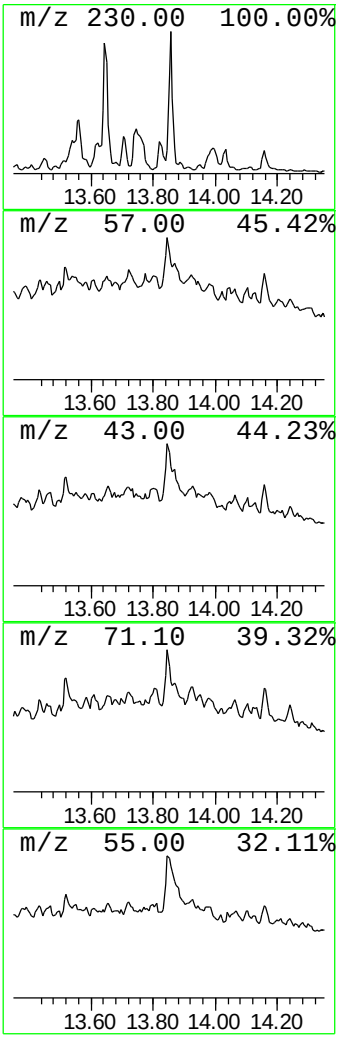
Peak Number 19 11H-Benzo[a]fluoren-11-one Concentration Rank 19

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.85	7.52 ng	817497	Chrysene-d12	14.01

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	11H-Benzo[a]fluoren-11-one	230	C17H10O	000479-79-8	86
2	7H-Benz[de]anthracen-7-one	230	C17H10O	000082-05-3	42
3	Dibenzo[c,h][2,6]naphthyridine	230	C16H10N2	000218-30-4	38
4	2-(N-(2,3-Dimethyl-5-oxo-1-phenyl...	302	C16H22N4O2	1000242-38-0	27
5	6H-Benz[de]anthracen-6-one	230	C17H10O	080252-14-8	27





Library Search Compound Report

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF080519\
Data File : BF115994.D
Acq On : 5 Aug 2019 21:48
Operator : HP/JU
Sample : K4136-06
Misc :
ALS Vial : 15 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : 1S-C1-C4-COMP-(30)

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF073019.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

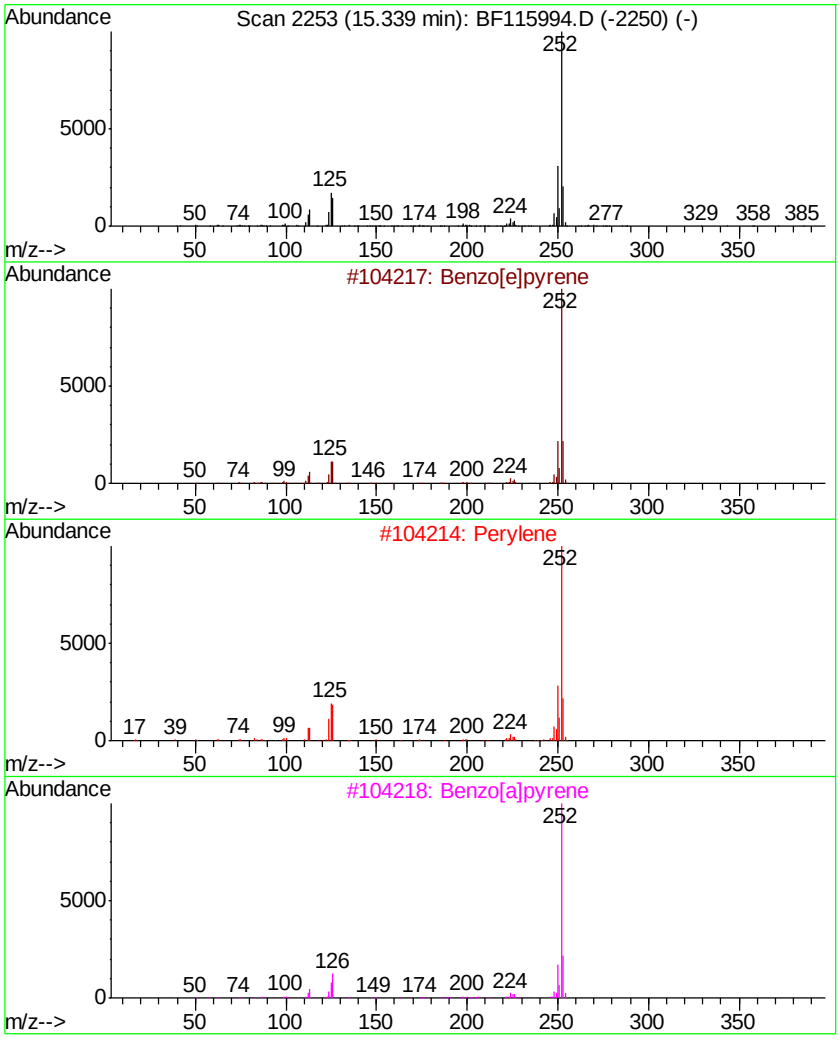
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

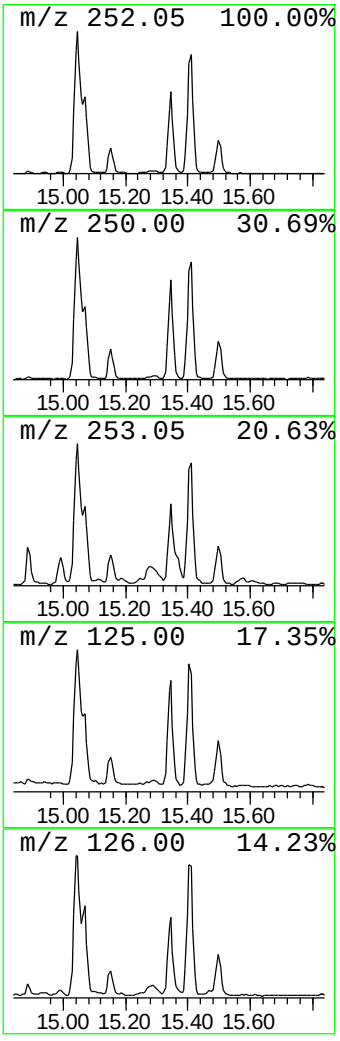
****

Peak Number 20 Benzo[e]pyrene Concentration Rank 8

R.T.	EstConc	Area	Relative to ISTD	R.T.
15.34	13.29 ng	709035	Perylene-d12	15.47

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzo[e]pyrene	252	C20H12	000192-97-2	98
2	Perylene	252	C20H12	000198-55-0	97
3	Benzo[a]pyrene	252	C20H12	000050-32-8	97
4	Benzo[k]fluoranthene	252	C20H12	000207-08-9	96
5	Benz[e]acephenanthrylene	252	C20H12	000205-99-2	94





Tentatively Identified Compound (LSC) summary

Data Path : Z:\SVOASRV\HPCHEM1\BNA_F\DATA\BF080519\
Data File : BF115994.D
Acq On : 5 Aug 2019 21:48
Operator : HP/JU
Sample : K4136-06
Misc :
ALS Vial : 15 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : 1S-C1-C4-COMP-(30)

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF073019.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
Butane, 2-methoxy...	2.13	29.9	ng	1281090	1	6.84	858302	20.0
unknown6.62	6.62	91.2	ng	3913680	1	6.84	858302	20.0
unknown11.26	11.26	7.5	ng	449965	4	11.36	1193470	20.0
unknown11.52	11.52	8.0	ng	476352	4	11.36	1193470	20.0
unknown11.54	11.54	8.3	ng	497344	4	11.36	1193470	20.0
m-Toluic acid, 3-...	11.59	18.4	ng	1095980	4	11.36	1193470	20.0
Tridecane, 2-meth...	11.66	9.8	ng	584889	4	11.36	1193470	20.0
3-Phenylpropionic...	11.72	9.4	ng	558750	4	11.36	1193470	20.0
Benzene, (1,1-dim...	11.76	13.9	ng	830960	4	11.36	1193470	20.0
Methyl N,N-diprop...	11.78	9.3	ng	558140	4	11.36	1193470	20.0
3-Methylbenzoic a...	11.85	17.1	ng	1017910	4	11.36	1193470	20.0
Phenanthrene, 1-m...	11.90	11.3	ng	674511	4	11.36	1193470	20.0
Pentadecane, 2-me...	11.93	9.1	ng	542132	4	11.36	1193470	20.0
4H-Cyclopenta[def...	11.98	17.1	ng	1018490	4	11.36	1193470	20.0
unknown12.10	12.10	9.3	ng	555097	4	11.36	1193470	20.0
unknown12.29	12.29	8.8	ng	523215	4	11.36	1193470	20.0
unknown12.37	12.37	7.0	ng	415665	4	11.36	1193470	20.0
11H-Benzo[a]fluor...	13.85	7.5	ng	817497	5	14.01	2173110	20.0
Benzo[e]pyrene	15.34	13.3	ng	709035	6	15.47	1067260	20.0