LSC Area Percent Report

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF102919\
Data File : BF117586.D
Acq On : 29 Oct 2019 13:10
Operator : JU
Sample : K5503-11
Misc :
ALS Vial : 9 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : 173-38-(0-2)

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-BF101819.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	4.940	481	485	506	rBV	31011	53580	4.45%	0.374%
2	5.357	553	556	575	rBV	811093	995954	82.64%	6.952%
3	6.398	729	733	748	rBV	674045	1079681	89.58%	7.537%
4	6.510	748	752	774	rVB	1042315	1205234	100.00%	8.413%
5	6.728	786	789	796	rBV	315340	276182	22.92%	1.928%
6	6.881	811	815	825	rBV	885941	794980	65.96%	5.549%
7	7.292	882	885	909	rBV	545631	672774	55.82%	4.696%
8	8.010	1003	1007	1028	rBV	307422	346634	28.76%	2.420%
9	9.081	1185	1189	1201	rBV	1088181	970644	80.54%	6.776%
10	9.480	1254	1257	1265	rVB	73775	66534	5.52%	0.464%
11	9.622	1279	1281	1286	rBV	17266	17613	1.46%	0.123%
12	9.757	1301	1304	1308	rBV	328215	323131	26.81%	2.256%
13	9.792	1308	1310	1316	rVB2	29890	29117	2.42%	0.203%
14	9.975	1334	1341	1345	rBV2	10106	13184	1.09%	0.092%
15	10.310	1395	1398	1405	rBV	29843	31649	2.63%	0.221%
16	10.557	1436	1440	1455	rBV	409390	460626	38.22%	3.215%
17	10.863	1484	1492	1494	rBV2	9339	13384	1.11%	0.093%
18	11.145	1537	1540	1545	rVB	16693	16709	1.39%	0.117%
19	11.245	1554	1557	1559	rBV	283550	251511	20.87%	1.756%
20	11.269	1559	1561	1568	rVV	379610	362310	30.06%	2.529%
21	11.327	1568	1571	1577	rVV	81212	82369	6.83%	0.575%
22	11.492	1594	1599	1604	rBV2	27571	37647	3.12%	0.263%
23	11.751	1639	1643	1645	rBV2	49173	45213	3.75%	0.316%
24	11.780	1645	1648	1653	rVV2	114257	127415	10.57%	0.889%
25	11.827	1653	1656	1659	rVV	31659	31050	2.58%	0.217%
26	11.863	1659	1662	1664	rVV	86339	88025	7.30%	0.614%
27	11.886	1664	1666	1673	rVB	39036	37793	3.14%	0.264%
28	12.045	1687	1693	1697	rBV	33824	38281	3.18%	0.267%
29	12.092	1697	1701	1703	rBV3	17987	17166	1.42%	0.120%
30	12.192	1714	1718	1721	rBV3	11598	12117	1.01%	0.085%
31	12.298	1733	1736	1739	rBV	36058	35275	2.93%	0.246%
32	12.339	1739	1743	1745	rVV3	19674	29655	2.46%	0.207%
33	12.398	1748	1753	1758	rVB2	25948	32385	2.69%	0.226%
34	12.463	1760	1764	1768	rBV	678923	642973	53.35%	4.488%

LSC Area Percent Report

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Misc :
ALS Vial : 9 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : 173-38-(0-2)

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-BF101819.M
Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

35	12.492	1768	1769	1773	rVB3	14814	17130	1.42%	0.120%
36	12.527	1773	1775	1778	rBV2	12627	13210	1.10%	0.092%
37	12.563	1778	1781	1785	rBV2	17936	23549	1.95%	0.164%
38	12.616	1787	1790	1793	rVV	30710	28412	2.36%	0.198%
39	12.692	1797	1803	1809	rBV	609984	639875	53.09%	4.467%
40	12.745	1809	1812	1817	rVB2	29238	33513	2.78%	0.234%
41	12.827	1821	1826	1829	rBV	716339	642473	53.31%	4.485%
42	12.863	1829	1832	1836	rVB	25202	31112	2.58%	0.217%
43	12.916	1836	1841	1845	rBV3	37645	71555	5.94%	0.499%
44	12.998	1852	1855	1856	rBV2	33610	31418	2.61%	0.219%
45	13.021	1856	1859	1862	rVB	79047	80667	6.69%	0.563%
46	13.086	1867	1870	1873	rVV2	52919	47696	3.96%	0.333%
47	13.127	1873	1877	1881	rVV2	56694	71345	5.92%	0.498%
48	13.180	1884	1886	1889	rVB4	12061	12475	1.04%	0.087%
49	13.221	1889	1893	1895	rBV	31606	31121	2.58%	0.217%
50	13.251	1895	1898	1901	rBV2	40469	40603	3.37%	0.283%
51	13.398	1920	1923	1926	rBV5	21314	23276	1.93%	0.162%
52	13.504	1939	1941	1945	rBV5	12601	14431	1.20%	0.101%
53	13.545	1945	1948	1954	rVB	48359	57359	4.76%	0.400%
54	13.645	1960	1965	1967	rBV2	66870	82321	6.83%	0.575%
55	13.698	1971	1974	1975	rVV	46280	44805	3.72%	0.313%
56	13.733	1977	1980	1981	rVV2	56662	68697	5.70%	0.480%
57	13.751	1981	1983	1989	rVB	73822	81166	6.73%	0.567%
58	13.810	1989	1993	1996	rBV	19073	28345	2.35%	0.198%
59	13.886	1999	2006	2010	rBV2	441409	739649	61.37%	5.163%
60	13.921	2010	2012	2016	rVB	296570	248727	20.64%	1.736%
61	13.998	2023	2025	2029	rVB	45103	40961	3.40%	0.286%
62	14.039	2030	2032	2033	rBV2	16697	12390	1.03%	0.086%
63	14.245	2065	2067	2068	rBV	22892	15429	1.28%	0.108%
64	14.280	2068	2073	2077	rVV2	65253	93143	7.73%	0.650%
65	14.315	2077	2079	2081	rBV2	21806	19578	1.62%	0.137%
66	14.345	2082	2084	2088	rBV4	32439	42395	3.52%	0.296%
67	14.404	2091	2094	2097	rVV2	48980	55674	4.62%	0.389%
68	14.639	2132	2134	2138	rVB2	36073	32640	2.71%	0.228%
69	14.774	2154	2157	2160	rBV3	35521	39375	3.27%	0.275%
70	14.927	2179	2183	2185	rBV	260566	357236	29.64%	2.494%
71	15.027	2197	2200	2204	rBV	52108	54852	4.55%	0.383%

LSC Area Percent Report

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Misc :
ALS Vial : 9 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : 173-38-(0-2)

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-BF101819.M
Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

72	15.215	2228	2232	2235	rBV	119420	146436	12.15%	1.022%
73	15.274	2238	2242	2246	rVV	193891	233107	19.34%	1.627%
74	15.333	2246	2252	2255	rVV	174965	268850	22.31%	1.877%
75	15.362	2255	2257	2263	rVB2	54630	83124	6.90%	0.580%
76	15.715	2314	2317	2323	rVB	39112	50251	4.17%	0.351%
77	15.951	2354	2357	2364	rVB8	31880	56679	4.70%	0.396%
78	16.357	2423	2426	2429	rVB5	21068	24903	2.07%	0.174%
79	16.745	2487	2492	2499	rVB2	74136	152019	12.61%	1.061%
80	17.180	2561	2566	2573	rVB	54161	102595	8.51%	0.716%

Sum of corrected areas: 14325362

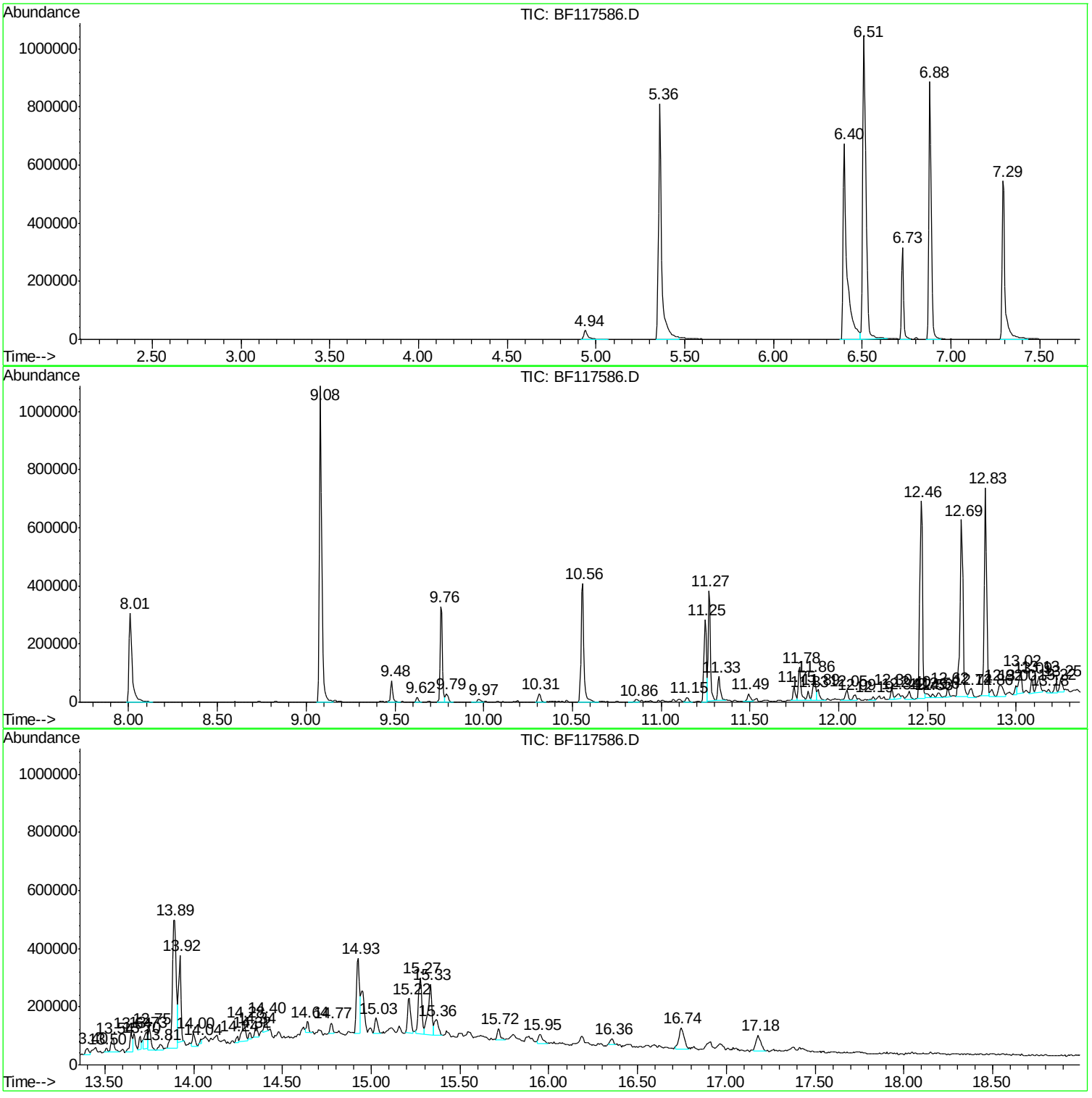
LSC Report - Integrated Chromatogram

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF102919\
Data File : BF117586.D
Acq On : 29 Oct 2019 13:10
Operator : JU
Sample : K5503-11
Misc :
ALS Vial : 9 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
173-38-(0-2)

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF101819.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\BF102919\
Data File : BF117586.D
Acq On : 29 Oct 2019 13:10
Operator : JU
Sample : K5503-11
Misc :
ALS Vial : 9 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : 173-38-(0-2)

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF101819.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

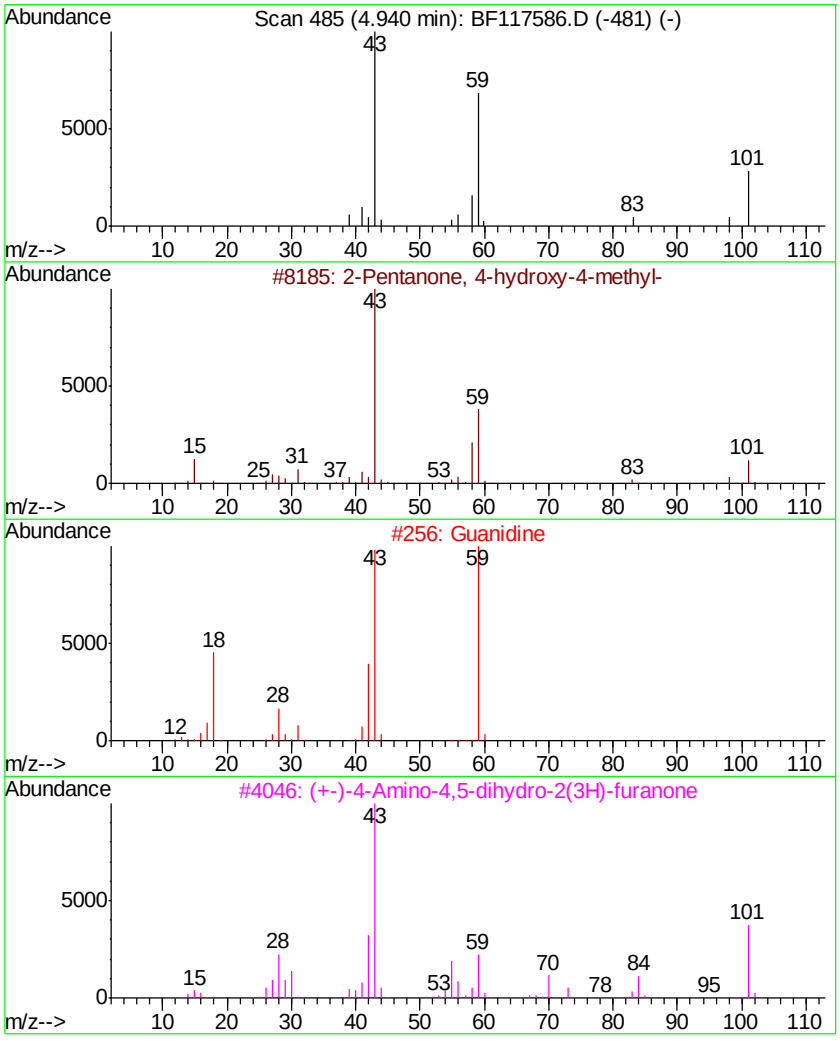
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

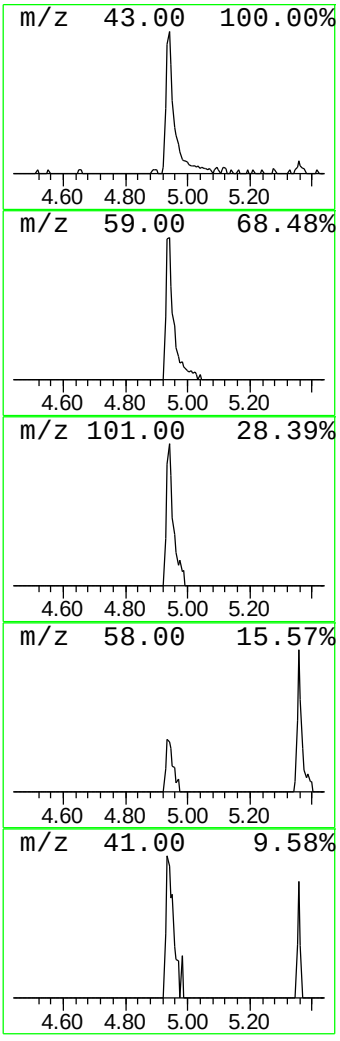
****

Peak Number 1 2-Pentanone, 4-hydroxy-4-me... Concentration Rank 8

R.T.	EstConc	Area	Relative to ISTD	R.T.
4.94	3.88 ng	53580	1,4-Dichlorobenzene-d4	6.73

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	2-Pentanone, 4-hydroxy-4-methyl-	116	C6H12O2	000123-42-2	56
2	Guanidine	59	CH5N3	000113-00-8	43
3	(+-)-4-Amino-4,5-dihydro-2(3H)-f...	101	C4H7NO2	016504-58-8	28
4	3-Hexanol	102	C6H14O	000623-37-0	25
5	2,3-Butanedione, monooxime	101	C4H7NO2	000057-71-6	9





Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF102919\
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Instrument : BNA_F
ClientSampleId : 173-38-(0-2)

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF101819.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

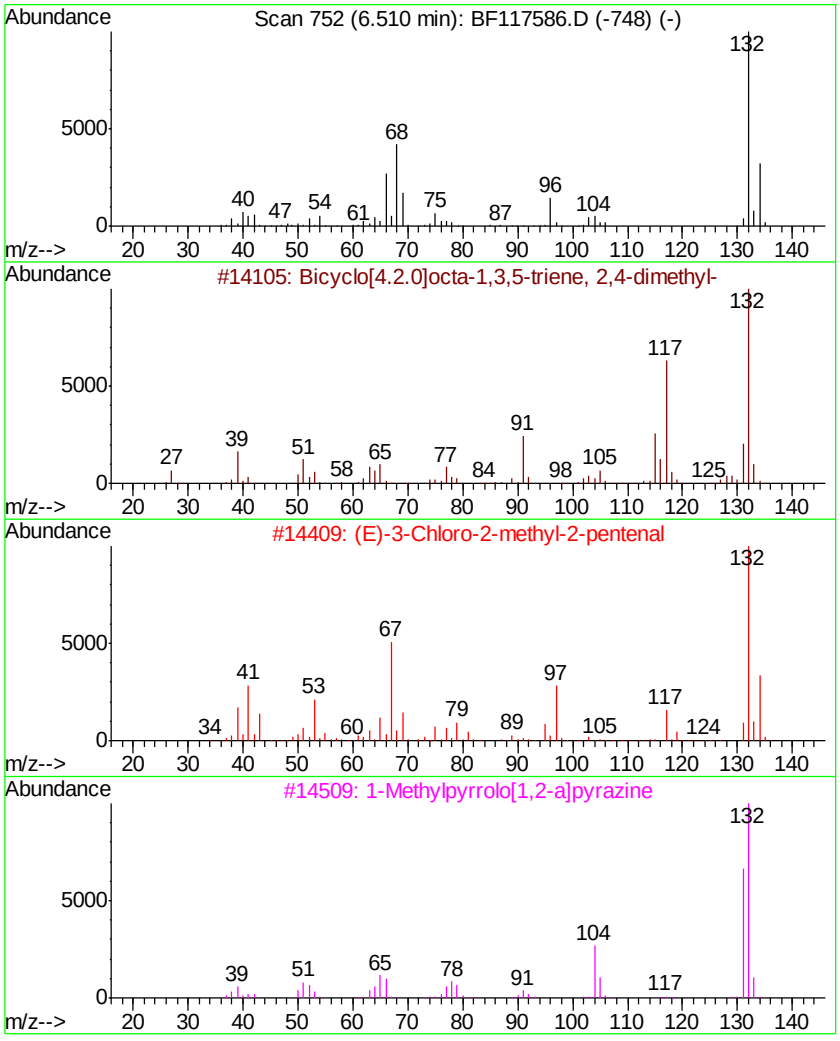
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

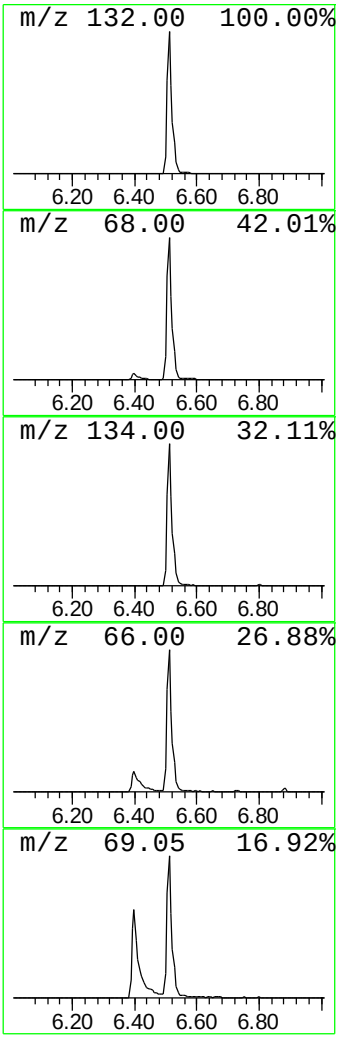
****

Peak Number 2 unknown6.51 Concentration Rank 1

R.T.	EstConc	Area	Relative to ISTD	R.T.
6.51	87.28 ng	1205230	1,4-Dichlorobenzene-d4	6.73

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	(E)-3-Chloro-2-methyl-2-pentenal	132	C6H9ClO	031357-76-3	9
3	1-Methylpyrrolo[1,2-a]pyrazine	132	C8H8N2	064608-59-9	9
4	Xenon	132	Xe	007440-63-3	9
5	2H-Cyclopenta[d]pyridazine, 2-me...	132	C8H8N2	022291-85-6	9





Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF102919\
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Instrument : BNA_F
ClientSampleId : 173-38-(0-2)

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF101819.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

TIC Library : C:\DATABASE\NIST11.L
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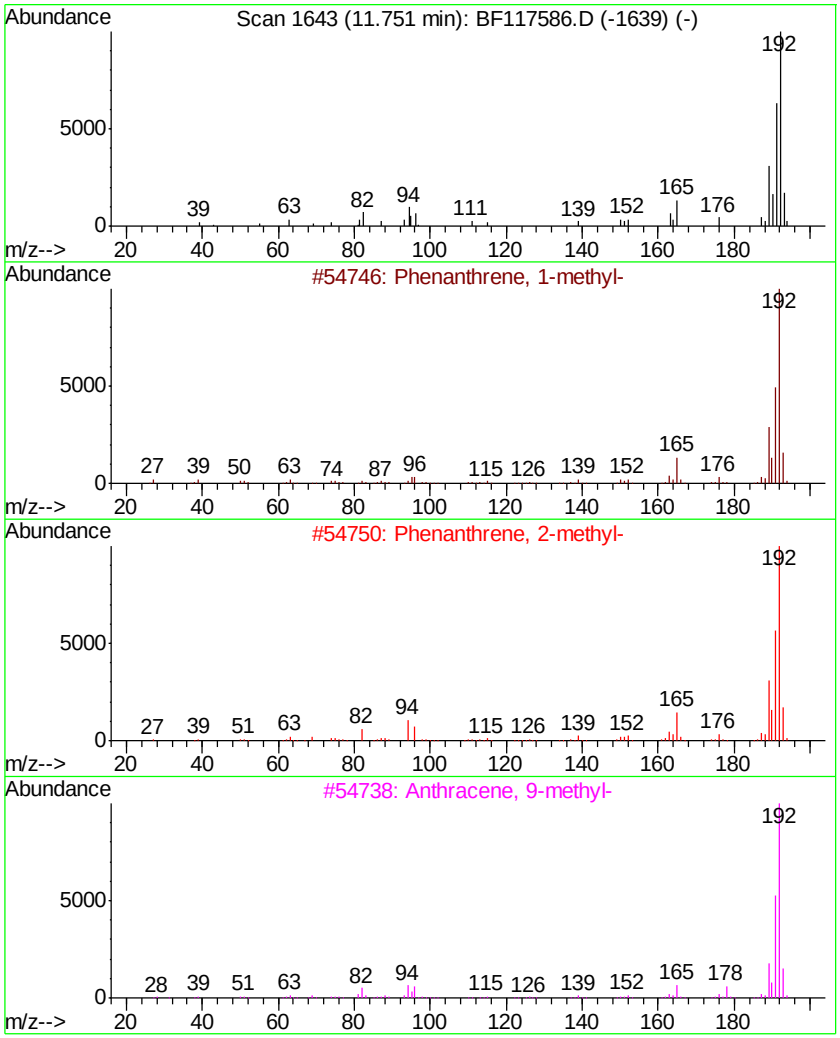
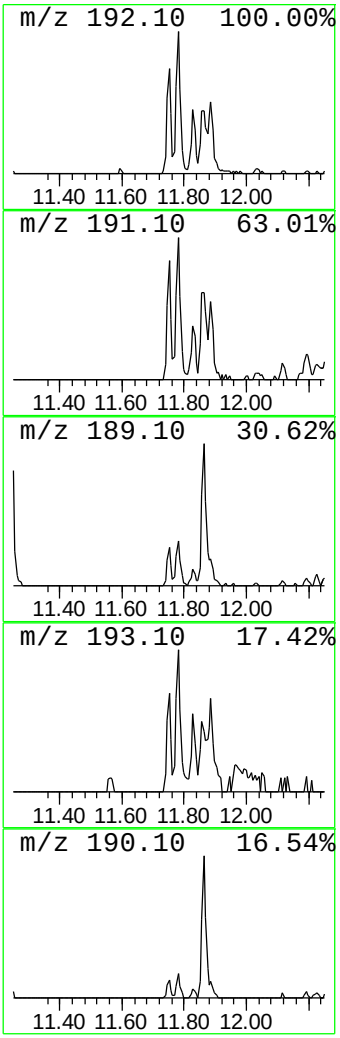
****

Peak Number 4 Phenanthrene, 1-methyl- Concentration Rank 10

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.75	3.60 ng	45213	Phenanthrene-d10	11.25

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Phenanthrene, 1-methyl-	192	C15H12	000832-69-9	96
2	Phenanthrene, 2-methyl-	192	C15H12	002531-84-2	94
3	Anthracene, 9-methyl-	192	C15H12	000779-02-2	93
4	Anthracene, 2-methyl-	192	C15H12	000613-12-7	93
5	Phenanthrene, 3-methyl-	192	C15H12	000832-71-3	93





Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF102919\
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Instrument : BNA_F
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Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF101819.M
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TIC Library : C:\DATABASE\NIST11.L
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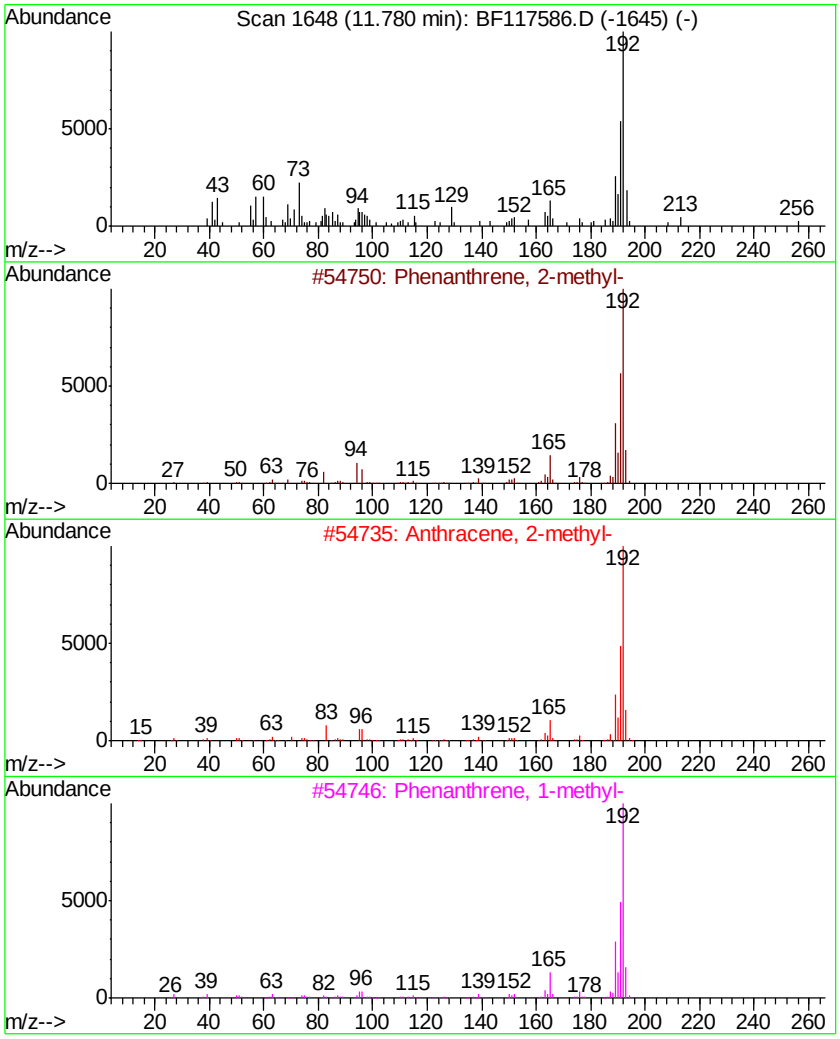
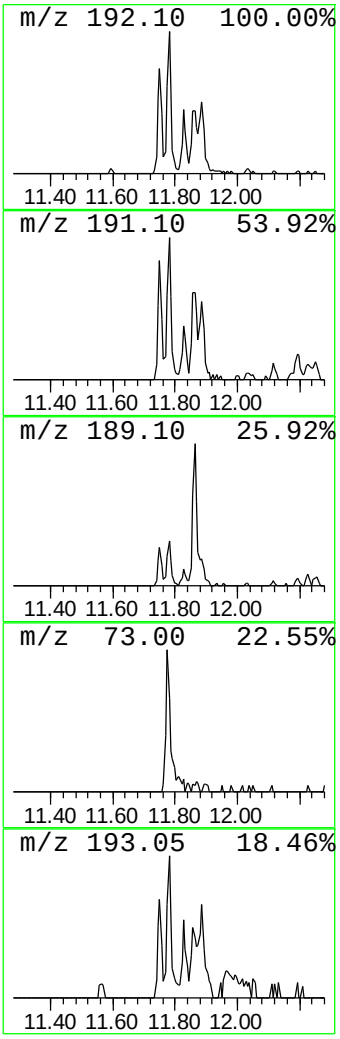
Peak Number 5 Phenanthrene, 2-methyl- Concentration Rank 4

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.78	10.13 ng	127415	Phenanthrene-d10	11.25

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Phenanthrene, 2-methyl-	192	C15H12	002531-84-2	93
2	Anthracene, 2-methyl-	192	C15H12	000613-12-7	93
3	Phenanthrene, 1-methyl-	192	C15H12	000832-69-9	92
4	Anthracene, 9-methyl-	192	C15H12	000779-02-2	92
5	Anthracene, 1-methyl-	192	C15H12	000610-48-0	83





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Sample : K5503-11
Misc :
ALS Vial : 9 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : 173-38-(0-2)

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF101819.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

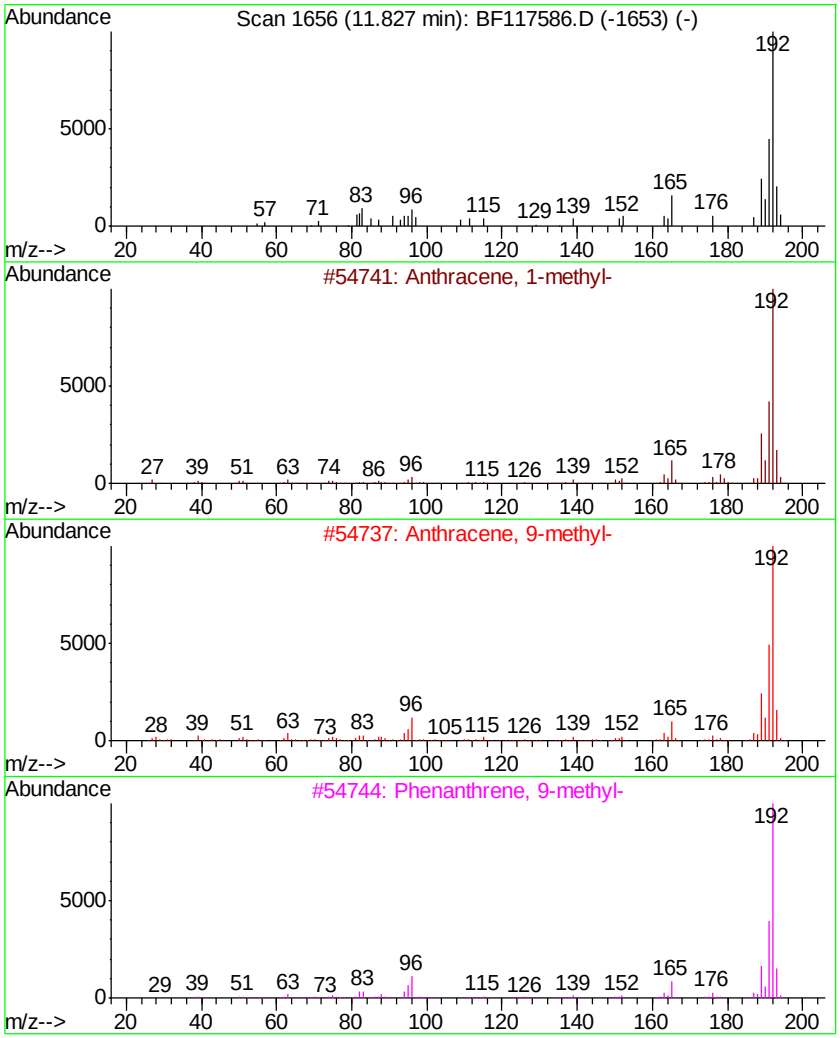
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

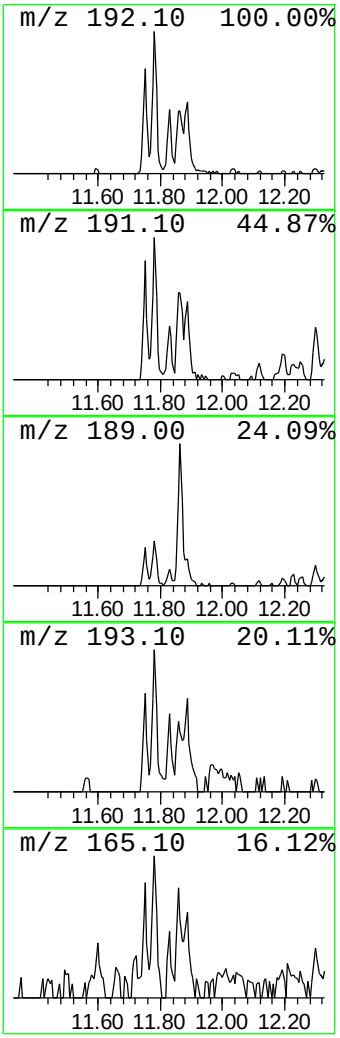
****

Peak Number 6 Anthracene, 1-methyl- Concentration Rank 17

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.83	2.47 ng	31050	Phenanthrene-d10	11.25

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Anthracene, 1-methyl-	192	C15H12	000610-48-0	93
2	Anthracene, 9-methyl-	192	C15H12	000779-02-2	91
3	Phenanthrene, 9-methyl-	192	C15H12	000883-20-5	87
4	Phenanthrene, 2-methyl-	192	C15H12	002531-84-2	87
5	1H-Cyclopropa[l]phenanthrene,1a,...	192	C15H12	000949-41-7	87





Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF102919\
Data File : BF117586.D
Acq On : 29 Oct 2019 13:10
Operator : JU
Sample : K5503-11
Misc :
ALS Vial : 9 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : 173-38-(0-2)

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF101819.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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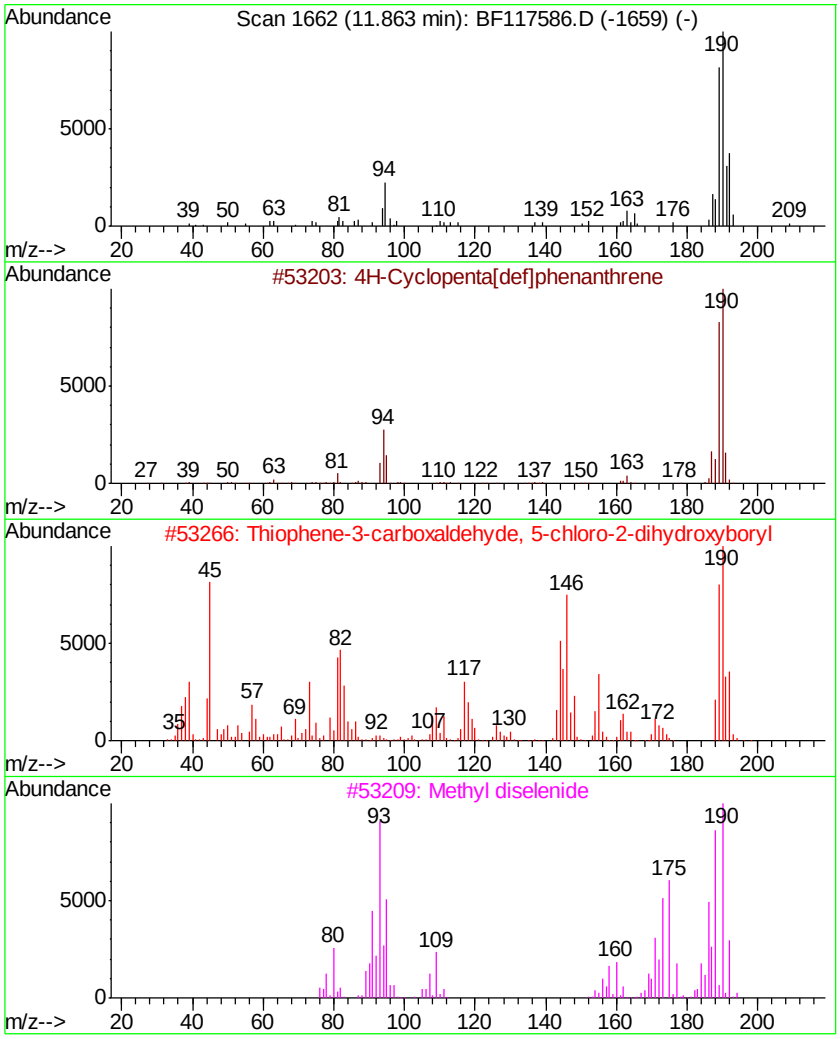
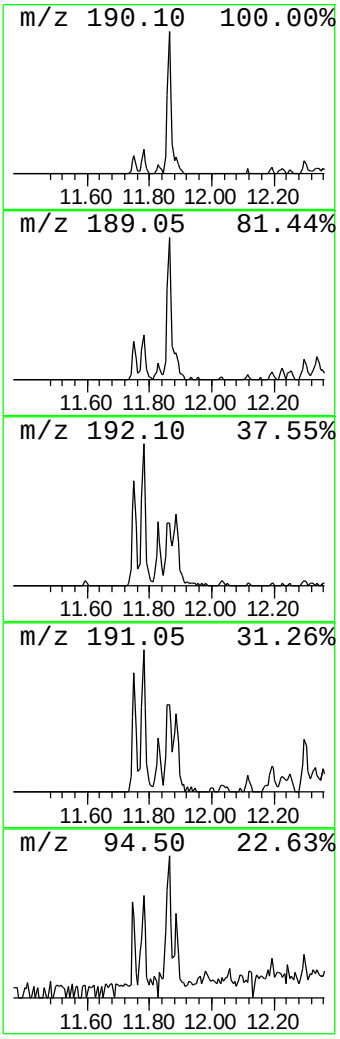
Peak Number 7 4H-Cyclopenta[def]phenanthrene Concentration Rank 5

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.86	7.00 ng	88025	Phenanthrene-d10	11.25

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	4H-Cyclopenta[def]phenanthrene	190	C15H10	000203-64-5	87
2	Thiophene-3-carboxaldehyde, 5-ch...	190	C5H4BClO3S	036155-87-0	64
3	Methyl diselenide	190	C2H6Se2	007101-31-7	55
4	2,2'-Bis(4,5-dimethylimidazole)	190	C10H14N4	069286-06-2	40
5	6H-Cyclobuta[jk]phenanthrene	190	C15H10	083469-43-6	23





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Acq On : 29 Oct 2019 13:10
Operator : JU
Sample : K5503-11
Misc :
ALS Vial : 9 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : 173-38-(0-2)

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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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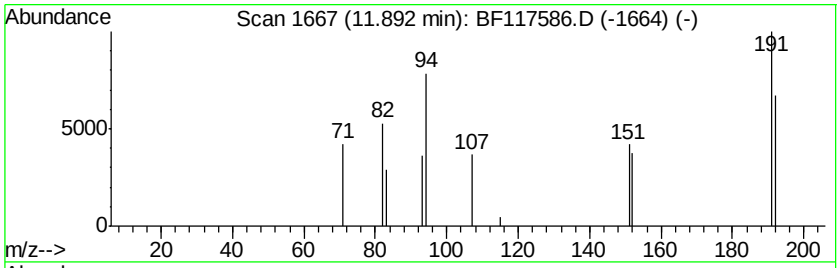
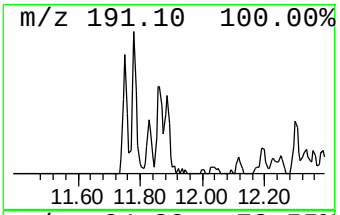
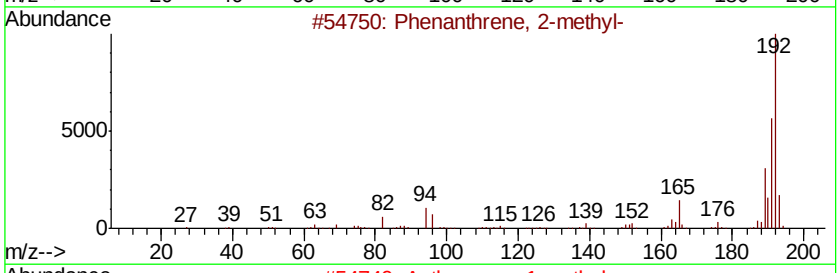
Peak Number 8 Anthracene, 9-methyl- Concentration Rank 12

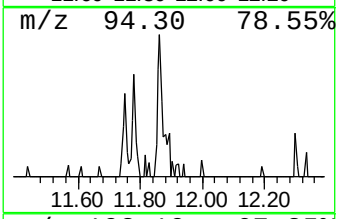
R.T.	EstConc	Area	Relative to ISTD	R.T.
11.89	3.01 ng	37793	Phenanthrene-d10	11.25

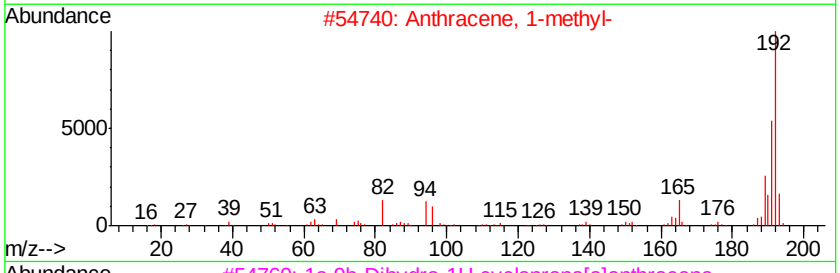
Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Phenanthrene, 2-methyl-	192	C15H12	002531-84-2	72
2	Anthracene, 1-methyl-	192	C15H12	000610-48-0	72
3	1a,9b-Dihydro-1H-cyclopropa[a]an...	192	C15H12	006109-24-6	64
4	Anthracene, 9-methyl-	192	C15H12	000779-02-2	64
5	Phenanthrene, 1-methyl-	192	C15H12	000832-69-9	64

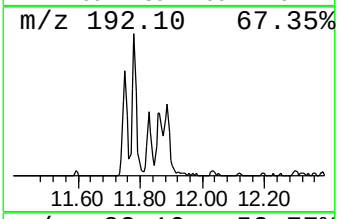


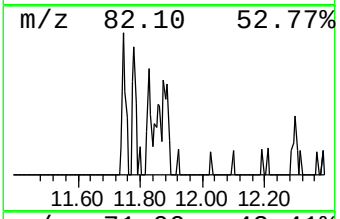


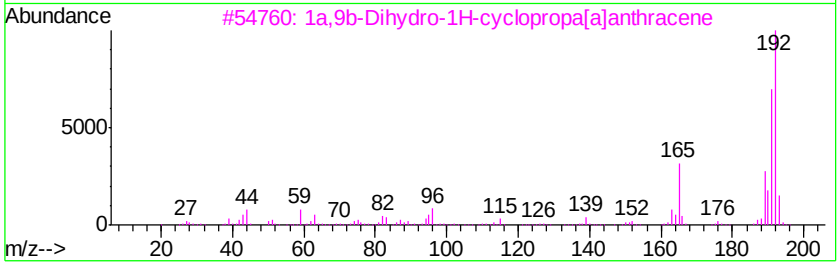


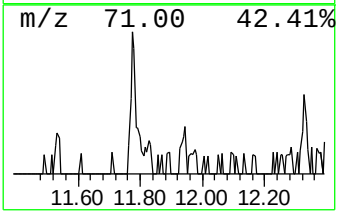












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Acq On : 29 Oct 2019 13:10
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Sample : K5503-11
Misc :
ALS Vial : 9 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : 173-38-(0-2)

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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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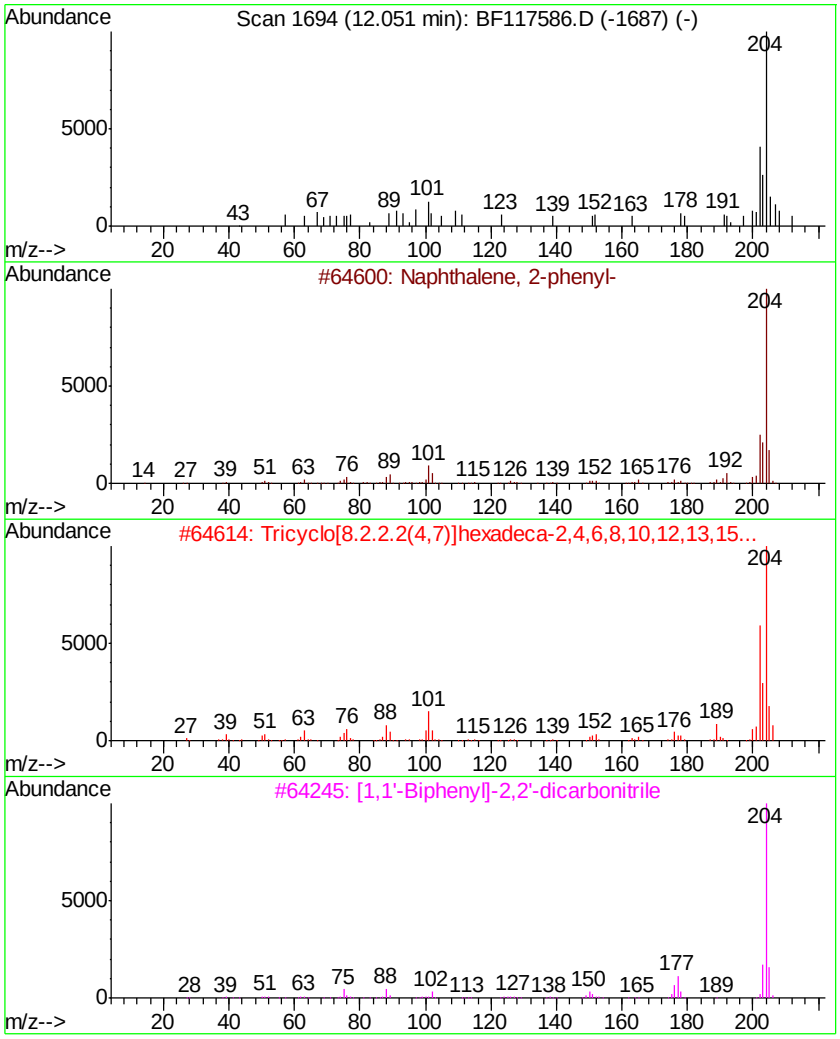
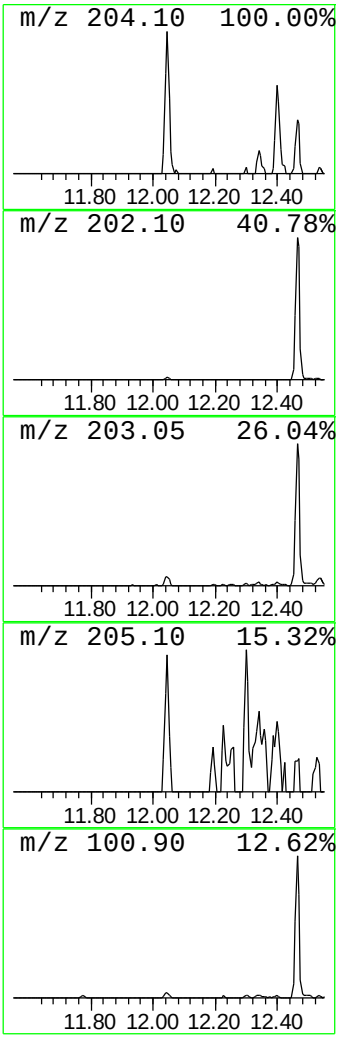
Peak Number 9 Naphthalene, 2-phenyl- Concentration Rank 11

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.05	3.04 ng	38281	Phenanthrene-d10	11.25

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Naphthalene, 2-phenyl-	204	C16H12	000612-94-2	81
2	Tricyclo[8.2.2.2(4,7)]hexadeca-2...	204	C16H12	006572-60-7	64
3	[1,1'-Biphenyl]-2,2'-dicarbonitrile	204	C14H8N2	004341-02-0	58
4	5H-Dibenzo[a,d]cycloheptene, 5-m...	204	C16H12	002975-79-3	58
5	3,4-Biphenyldicarbonitrile	204	C14H8N2	004128-63-6	53





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TIC Library : C:\DATABASE\NIST11.L
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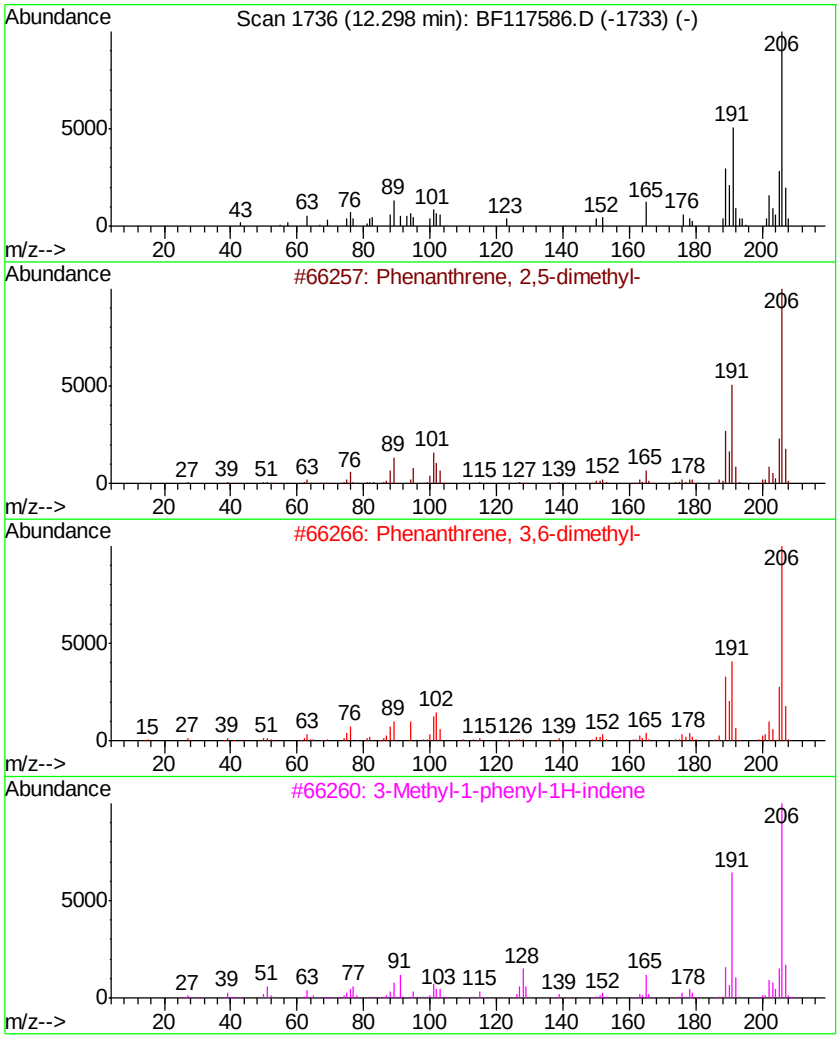
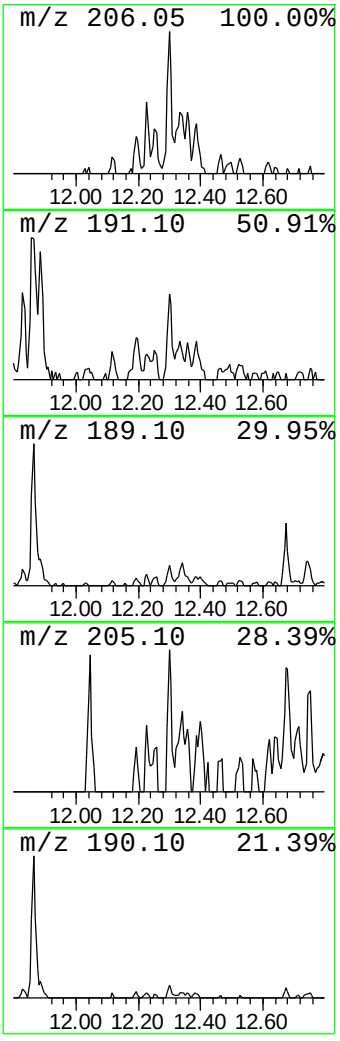
Peak Number 10 Phenanthrene, 2,5-dimethyl- Concentration Rank 14

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.30	2.81 ng	35275	Phenanthrene-d10	11.25

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Phenanthrene, 2,5-dimethyl-	206	C16H14	003674-66-6	94
2	Phenanthrene, 3,6-dimethyl-	206	C16H14	001576-67-6	93
3	3-Methyl-1-phenyl-1H-indene	206	C16H14	022360-63-0	93
4	1-Methyl-3-phenyl-1H-indene	206	C16H14	022360-62-9	93
5	1,3-Diphenyl-3-methylcyclopropene	206	C16H14	086544-79-8	93





Library Search Compound Report

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ClientSampleId : 173-38-(0-2)

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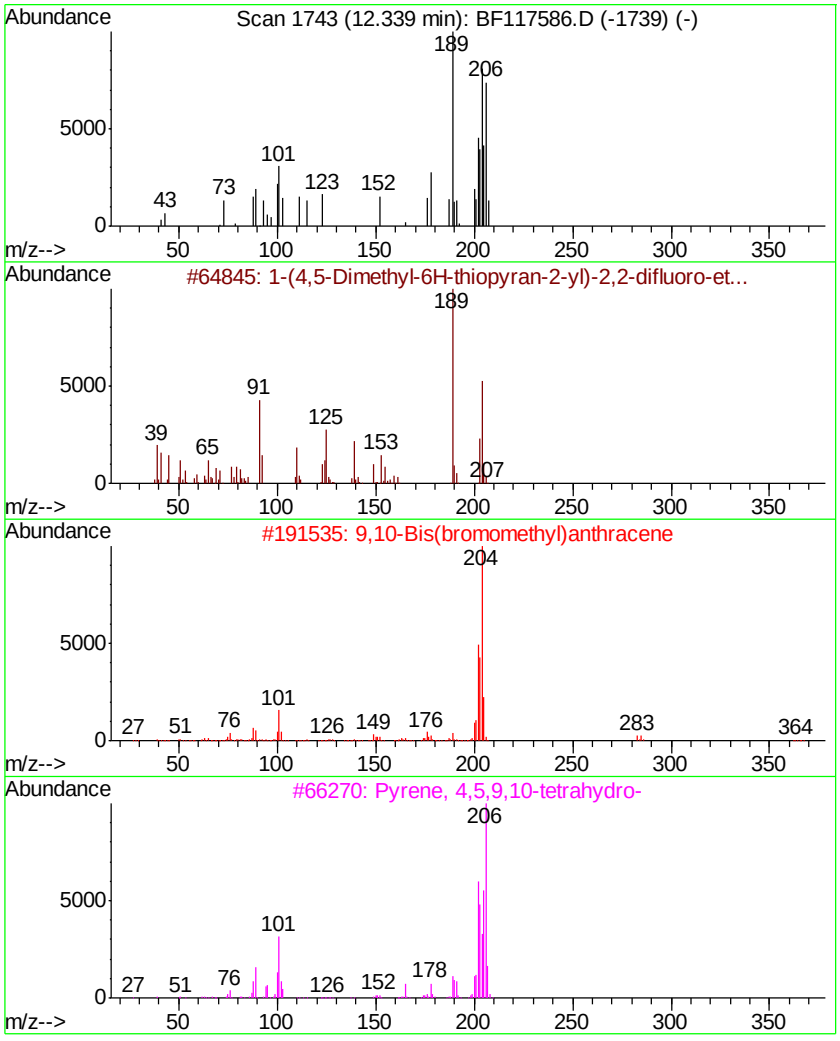
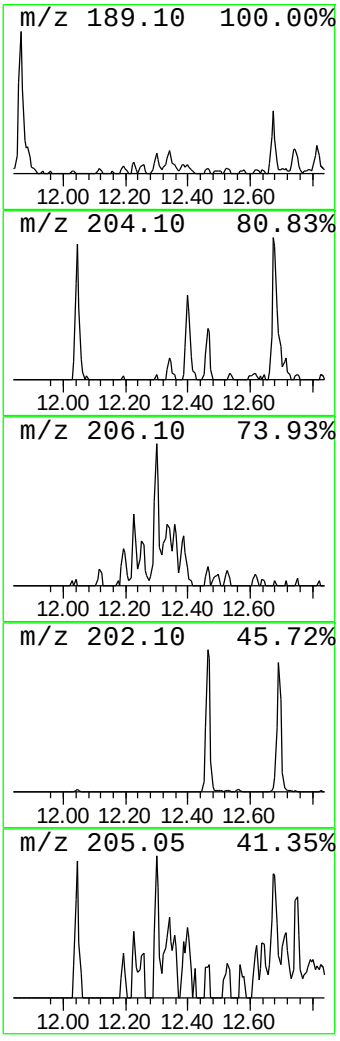
Peak Number 11 unknown12.34 Concentration Rank 19

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.34	2.36 ng	29655	Phenanthrene-d10	11.25

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	1-(4,5-Dimethyl-6H-thiopyran-2-y...	204	C9H10F2OS	1000318-25-0	38
2	9,10-Bis(bromomethyl)anthracene	362	C16H12Br2	034373-96-1	35
3	Pyrene, 4,5,9,10-tetrahydro-	206	C16H14	000781-17-9	30
4	Tricyclo[8.2.2.2(4,7)]hexadeca-2...	204	C16H12	006572-60-7	22
5	4-(Trifluoromethoxy)benzoic acid	206	C8H5F3O3	000330-12-1	22





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ClientSampleId : 173-38-(0-2)

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TIC Integration Parameters: LSCINT.P

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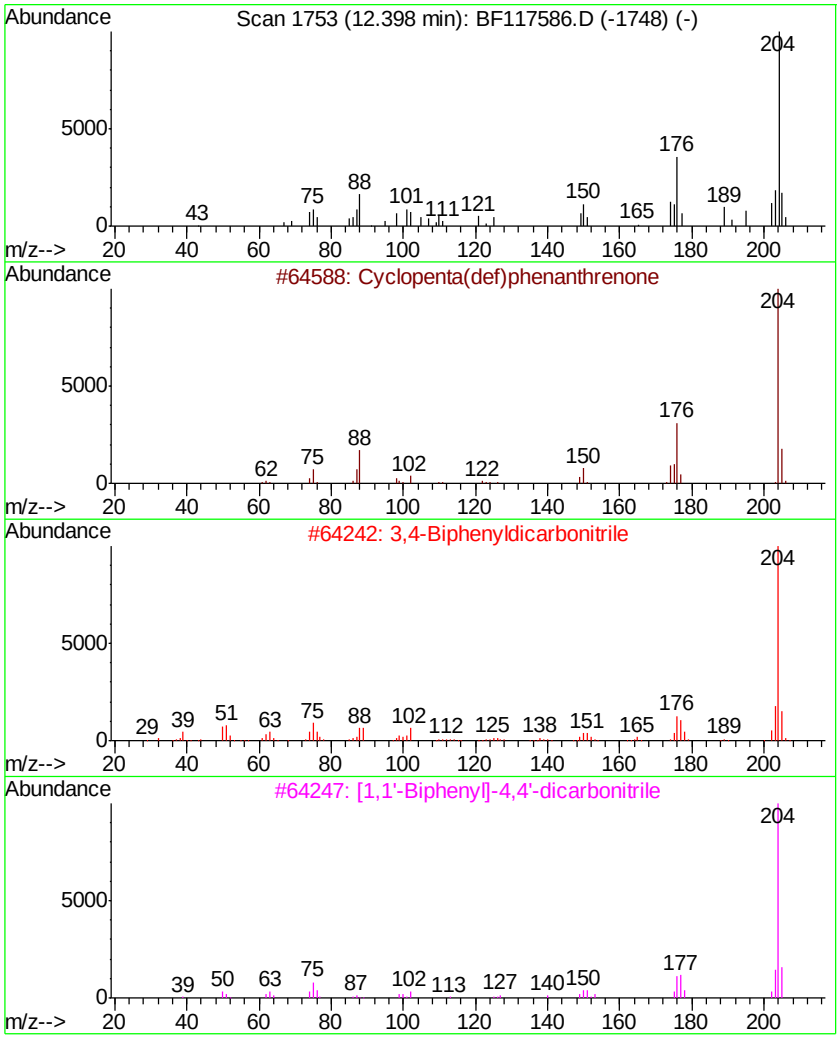
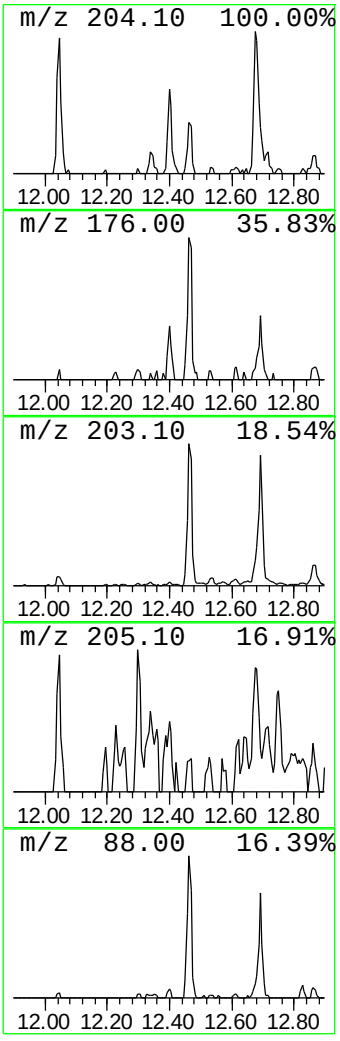
Peak Number 12 Cyclopenta(def)phenanthrenone Concentration Rank 15

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.40	2.58 ng	32385	Phenanthrene-d10	11.25

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Cyclopenta(def)phenanthrenone	204	C15H8O	005737-13-3	93
2	3,4-Biphenyldicarbonitrile	204	C14H8N2	004128-63-6	80
3	[1,1'-Biphenyl]-4,4'-dicarbonitrile	204	C14H8N2	001591-30-6	64
4	1,2,4-Triazolo[2,3-c]thieno[3,2-...	204	C9H8N4S	113246-88-1	59
5	6-Phenyl-2-thiouracil	204	C10H8N2OS	005590-94-3	53





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ClientSampleId : 173-38-(0-2)

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TIC Library : C:\DATABASE\NIST11.L
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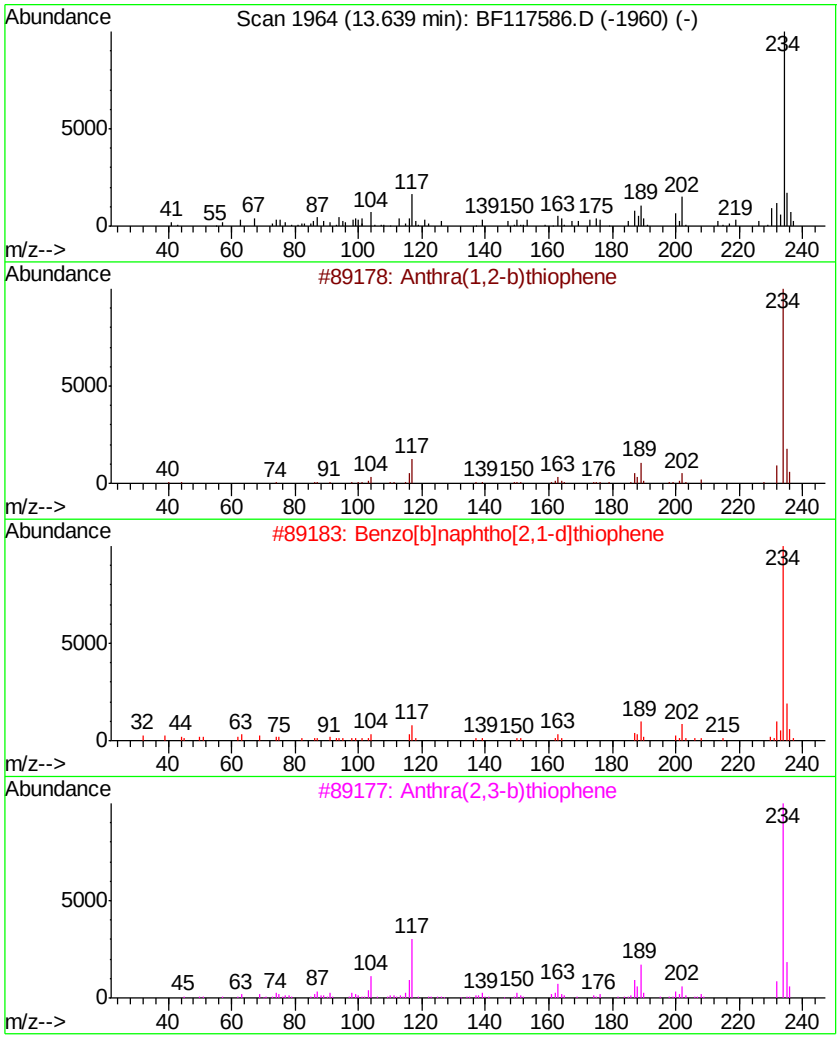
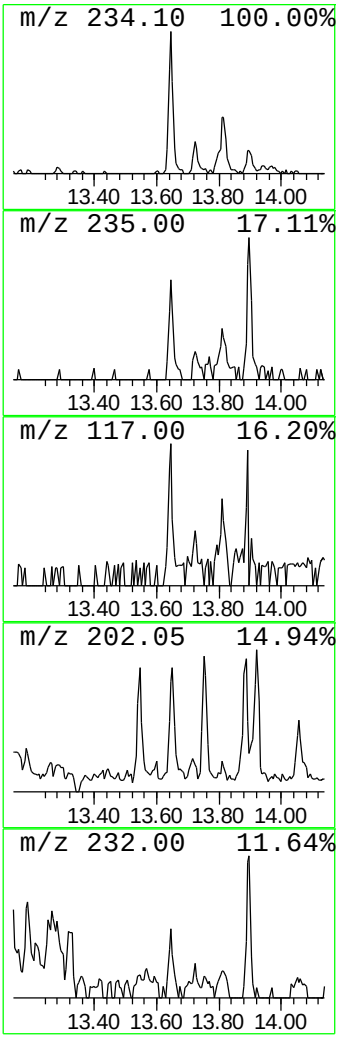
Peak Number 13 Anthra(1,2-b)thiophene Concentration Rank 20

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.64	2.23 ng	82321	Chrysene-d12	13.89

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Anthra(1,2-b)thiophene	234	C16H10S	000227-86-1	97
2	Benzo[b]naphtho[2,1-d]thiophene	234	C16H10S	000239-35-0	95
3	Anthra(2,3-b)thiophene	234	C16H10S	022108-55-0	93
4	Benzo[b]naphtho[1,2-d]thiophene	234	C16H10S	000205-43-6	89
5	Benzo[b]naphtho[2,3-d]thiophene	234	C16H10S	000243-46-9	81





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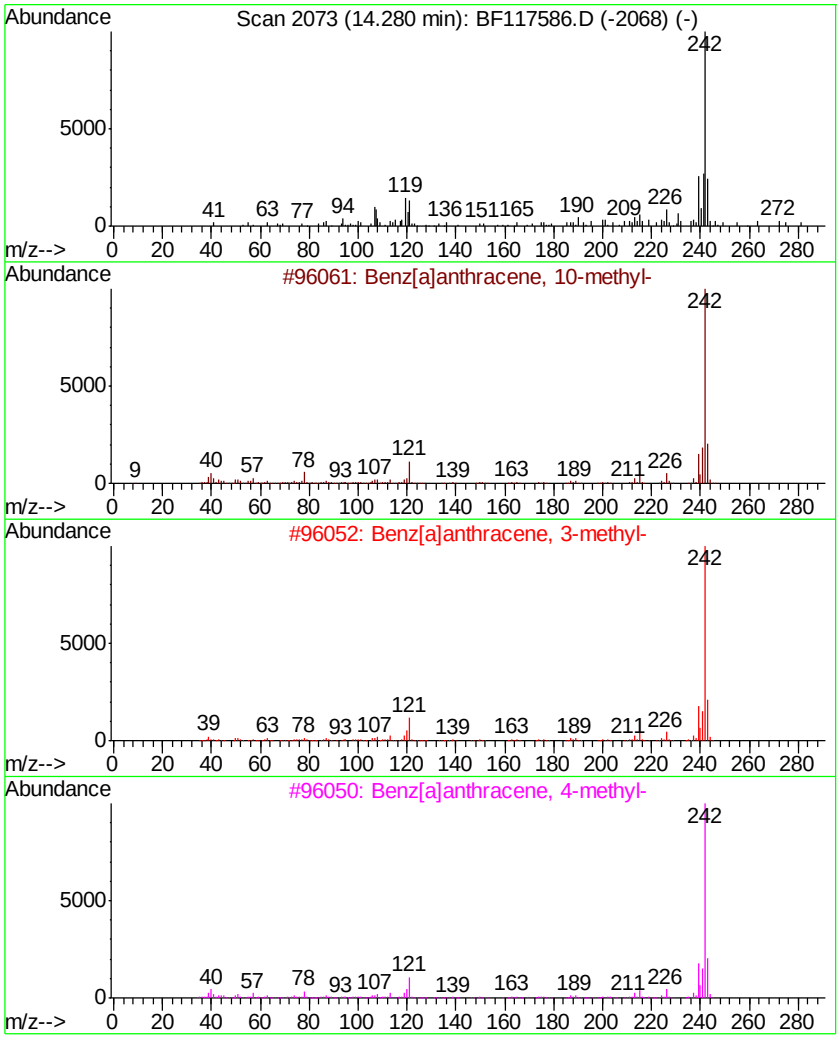
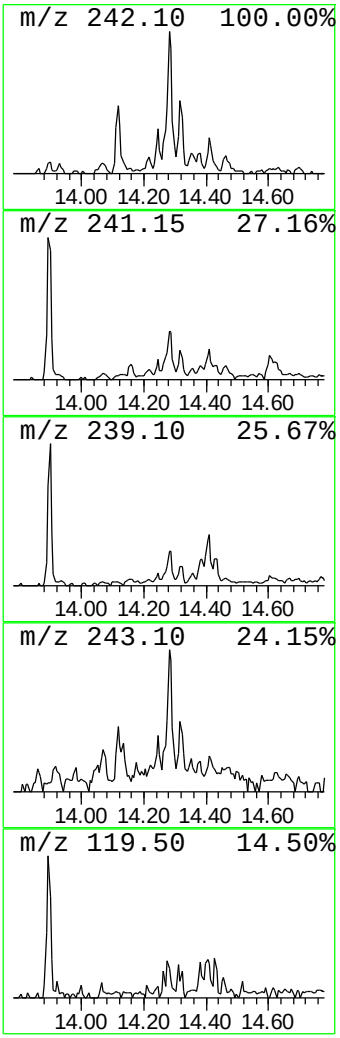
Peak Number 14 Benz[a]anthracene, 10-methyl- Concentration Rank 16

R.T.	EstConc	Area	Relative to ISTD	R.T.
14.28	2.52 ng	93143	Chrysene-d12	13.89

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benz[a]anthracene, 10-methyl-	242	C19H14	002381-15-9	95
2	Benz[a]anthracene, 3-methyl-	242	C19H14	002498-75-1	95
3	Benz[a]anthracene, 4-methyl-	242	C19H14	000316-49-4	93
4	Benz[a]anthracene, 11-methyl-	242	C19H14	006111-78-0	93
5	Benz[a]anthracene, 2-methyl-	242	C19H14	002498-76-2	92





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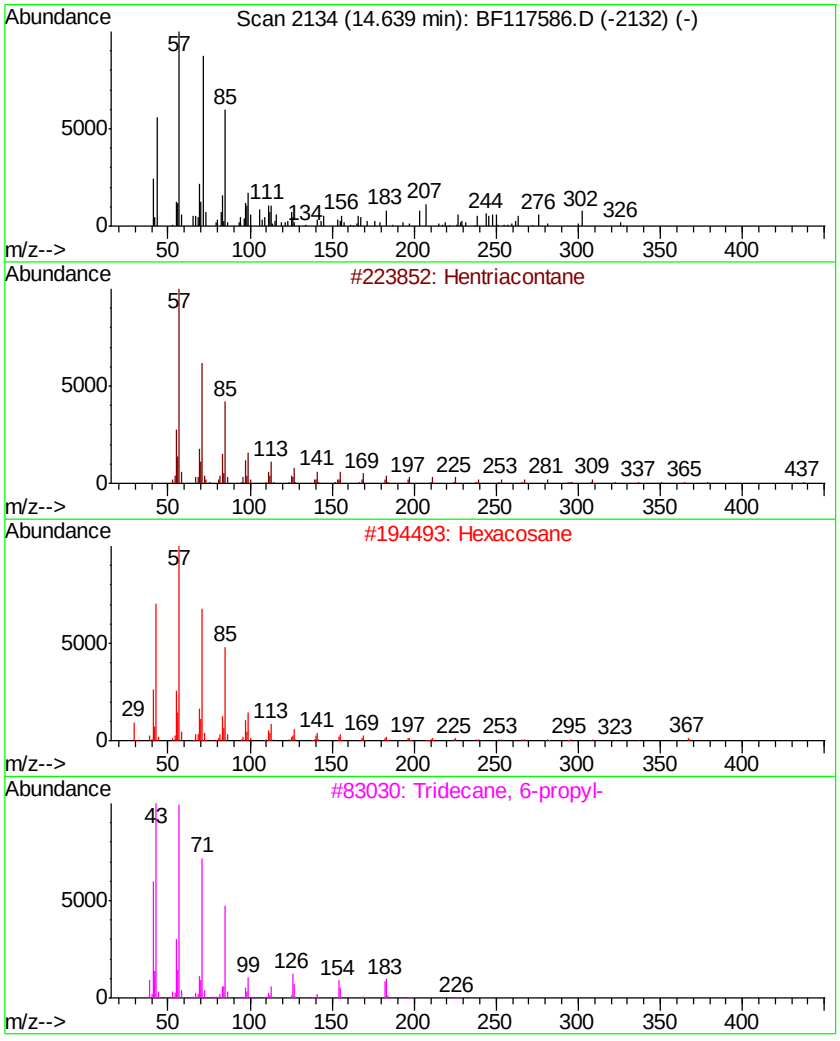
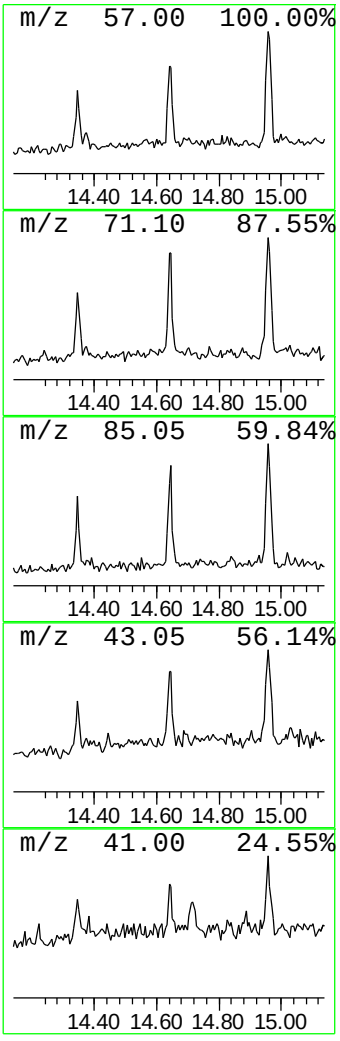
Peak Number 15 Hentriacontane Concentration Rank 18

R.T.	EstConc	Area	Relative to ISTD	R.T.
14.64	2.43 ng	32640	Perylene-d12	15.33

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Hentriacontane	437	C31H64	000630-04-6	64
2	Hexacosane	366	C26H54	000630-01-3	64
3	Tridecane, 6-propyl-	226	C16H34	055045-10-8	64
4	Heptacosane	380	C27H56	000593-49-7	59
5	Dodecane, 1-iodo-	296	C12H25I	004292-19-7	59





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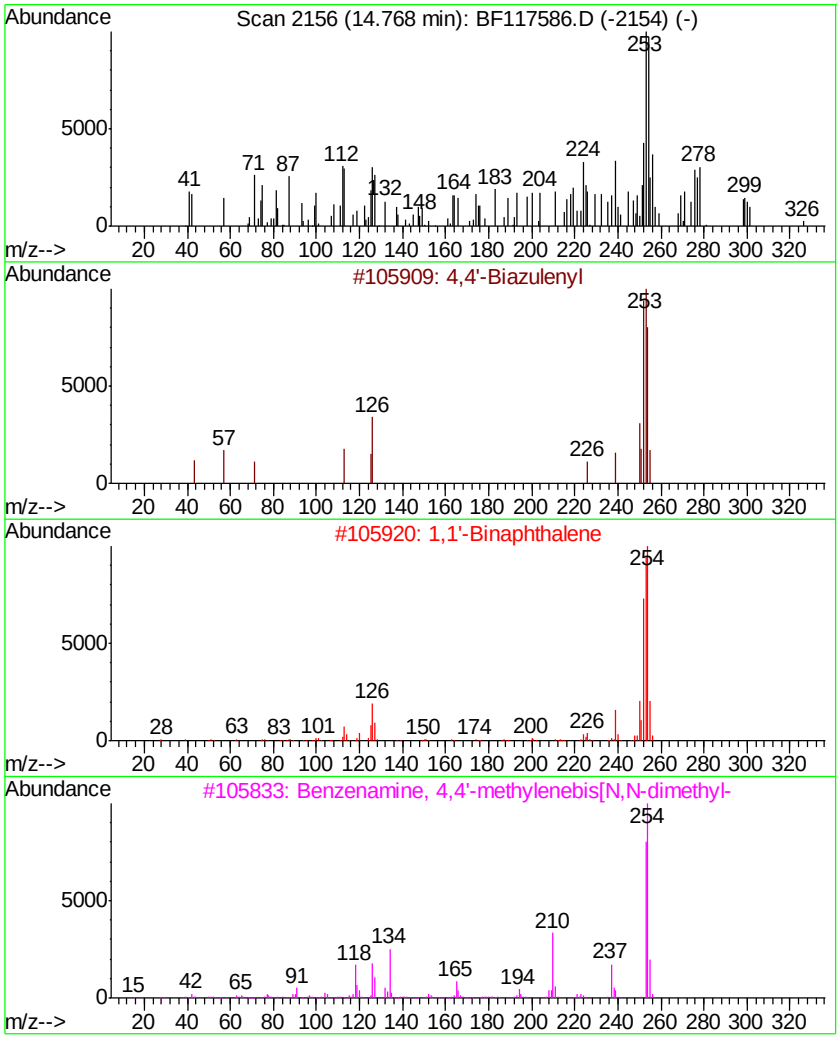
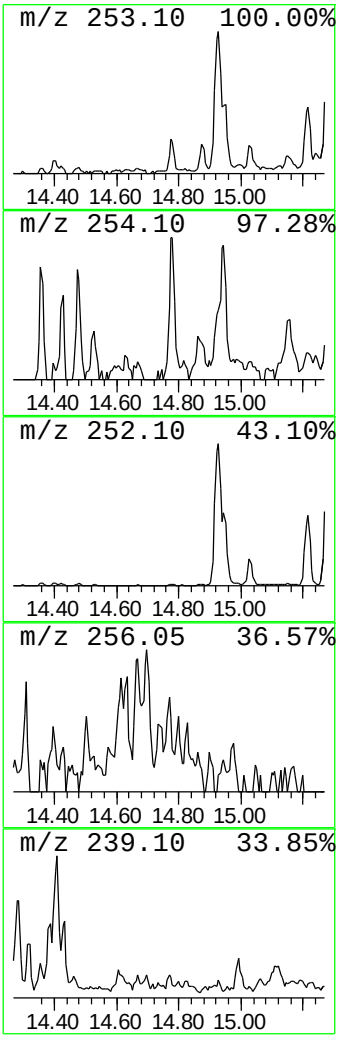
Peak Number 16 4,4'-Biazulenyl Concentration Rank 13

R.T.	EstConc	Area	Relative to ISTD	R.T.
14.77	2.93 ng	39375	Perylene-d12	15.33

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	4,4'-Biazulenyl	254	C20H14	094053-54-0	70
2	1,1'-Binaphthalene	254	C20H14	000604-53-5	64
3	Benzenamine, 4,4'-methylenebis[N...	254	C17H22N2	000101-61-1	64
4	4,5-Dihydrobenzo[e]pyrene	254	C20H14	095676-42-9	62
5	9,10[1',2']-Benzenoanthracene, 9...	254	C20H14	000477-75-8	58





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TIC Library : C:\DATABASE\NIST11.L
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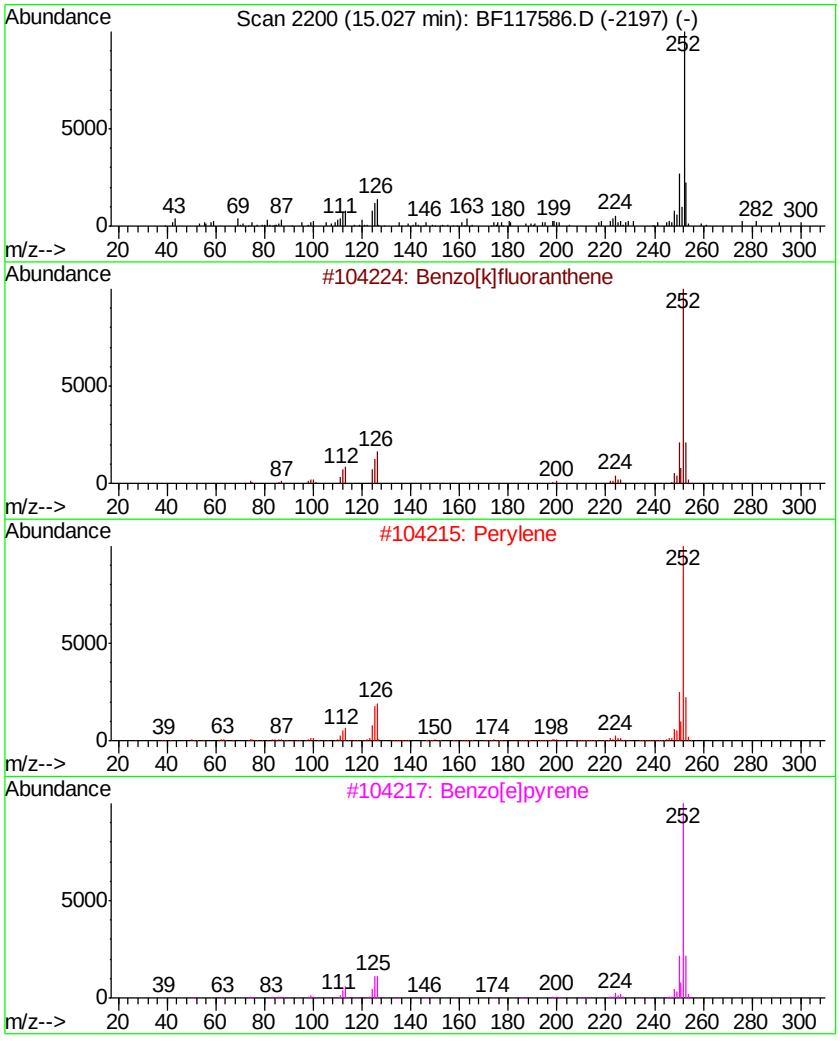
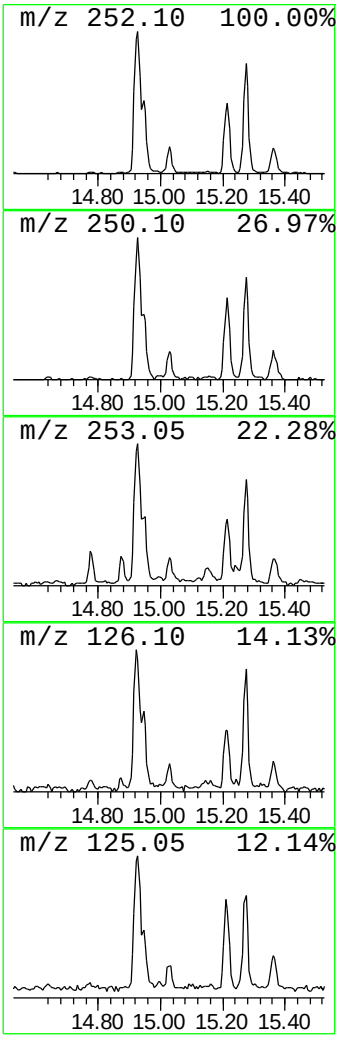
Peak Number 17 Perylene Concentration Rank 7

R.T.	EstConc	Area	Relative to ISTD	R.T.
15.03	4.08 ng	54852	Perylene-d12	15.33

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzo[k]fluoranthene	252	C20H12	000207-08-9	98
2	Perylene	252	C20H12	000198-55-0	95
3	Benzo[e]pyrene	252	C20H12	000192-97-2	94
4	Benz[e]acephenanthrylene	252	C20H12	000205-99-2	90
5	Benzo[a]pyrene	252	C20H12	000050-32-8	81





Library Search Compound Report

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF102919\
Data File : BF117586.D
Acq On : 29 Oct 2019 13:10
Operator : JU
Sample : K5503-11
Misc :
ALS Vial : 9 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : 173-38-(0-2)

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF101819.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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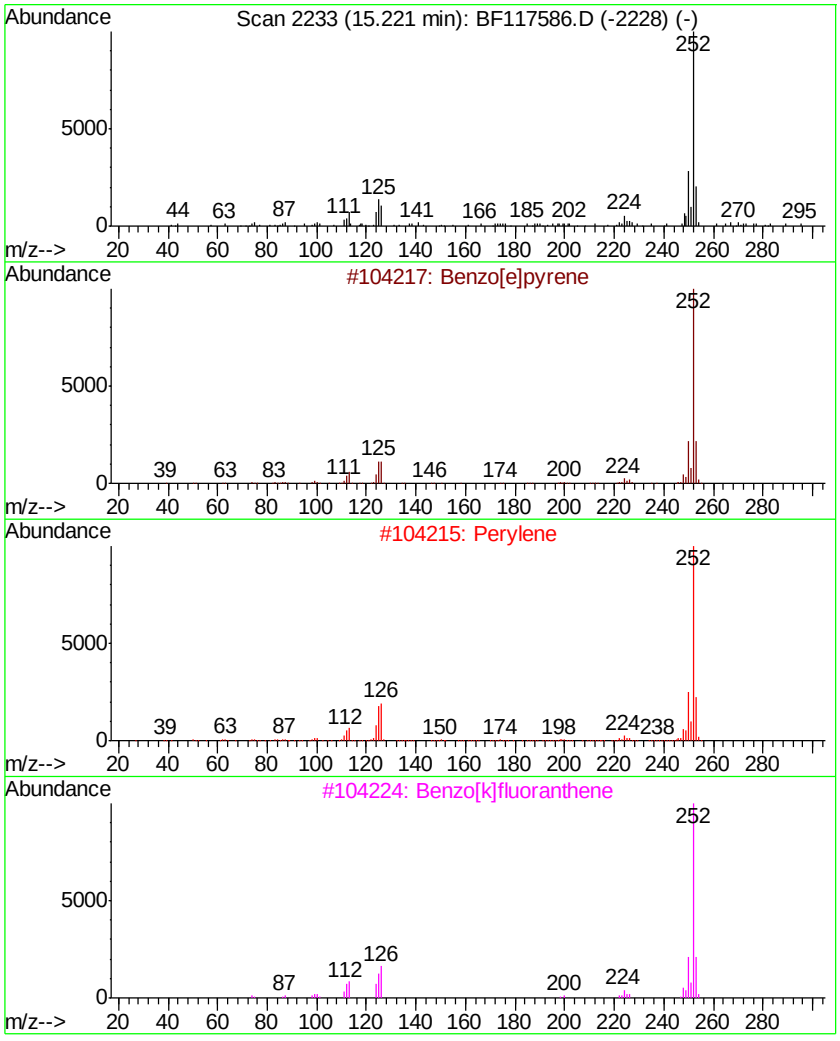
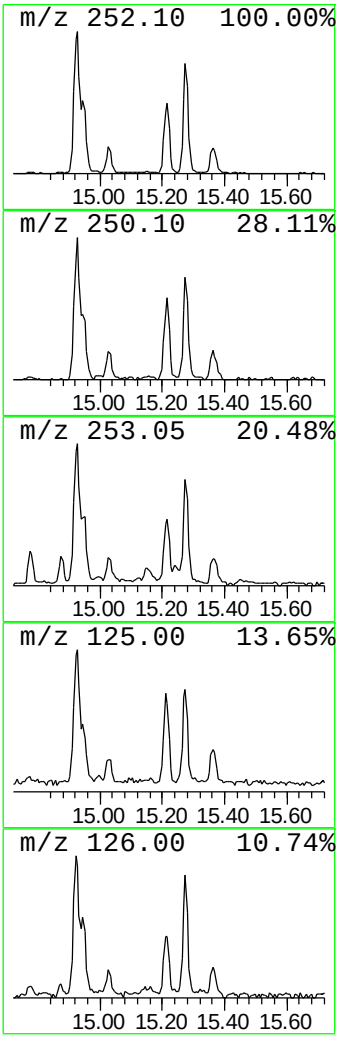
Peak Number 18 Benzo[e]pyrene Concentration Rank 3

R.T.	EstConc	Area	Relative to ISTD	R.T.
15.22	10.89 ng	146436	Perylene-d12	15.33

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzo[e]pyrene	252	C20H12	000192-97-2	96
2	Perylene	252	C20H12	000198-55-0	94
3	Benzo[k]fluoranthene	252	C20H12	000207-08-9	90
4	Benz[e]acephenanthrylene	252	C20H12	000205-99-2	90
5	Benzo[a]pyrene	252	C20H12	000050-32-8	83





Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF102919\
Data File : BF117586.D
Acq On : 29 Oct 2019 13:10
Operator : JU
Sample : K5503-11
Misc :
ALS Vial : 9 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : 173-38-(0-2)

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF101819.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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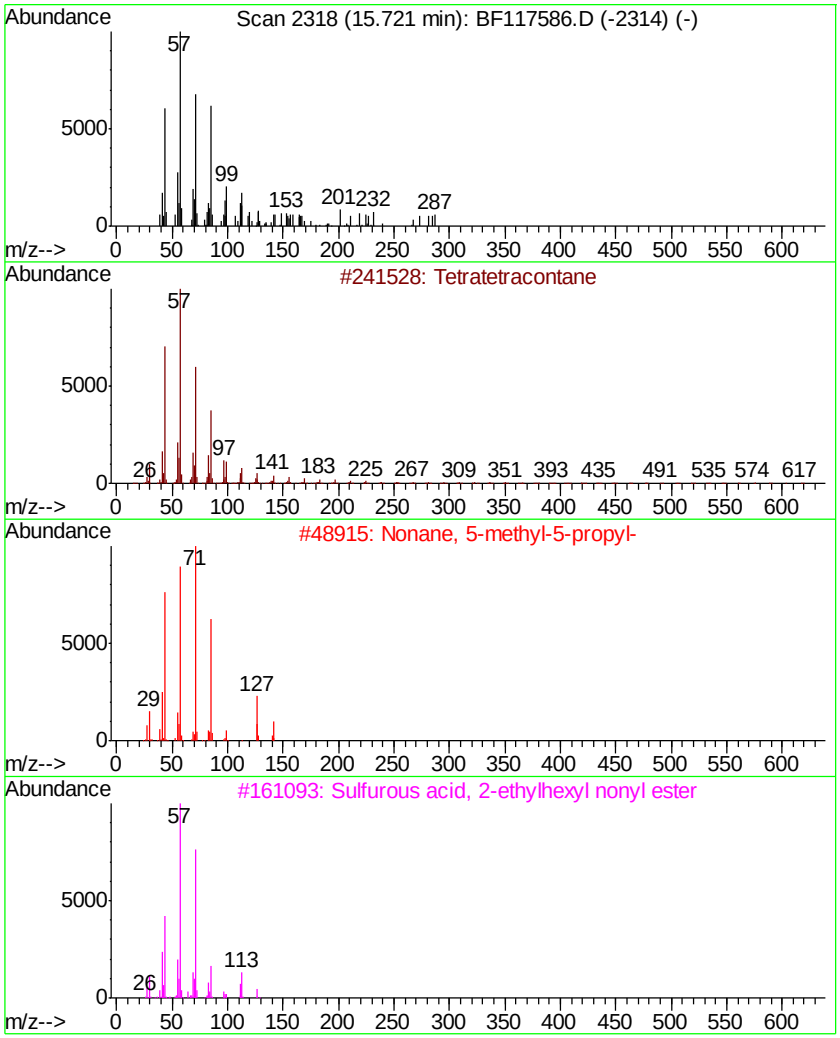
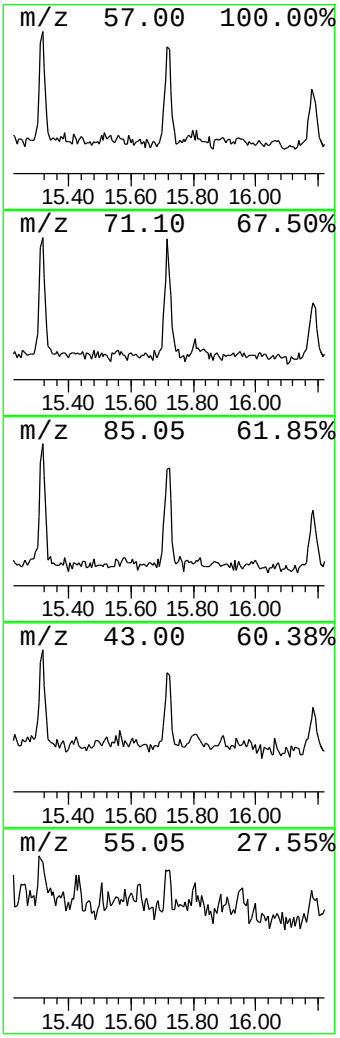
Peak Number 19 Tetratetracontane Concentration Rank 9

R.T.	EstConc	Area	Relative to ISTD	R.T.
15.72	3.74 ng	50251	Perylene-d12	15.33

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Tetratetracontane	619	C44H90	007098-22-8	59
2	Nonane, 5-methyl-5-propyl-	184	C13H28	017312-75-3	50
3	Sulfurous acid, 2-ethylhexyl non...	320	C17H36O3S	1000309-19-2	49
4	Sulfurous acid, 2-ethylhexyl hep...	432	C25H52O3S	1000309-20-0	47
5	Sulfurous acid, butyl undecyl ester	292	C15H32O3S	1000309-17-8	47





Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF102919\
Data File : BF117586.D
Acq On : 29 Oct 2019 13:10
Operator : JU
Sample : K5503-11
Misc :
ALS Vial : 9 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : 173-38-(0-2)

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF101819.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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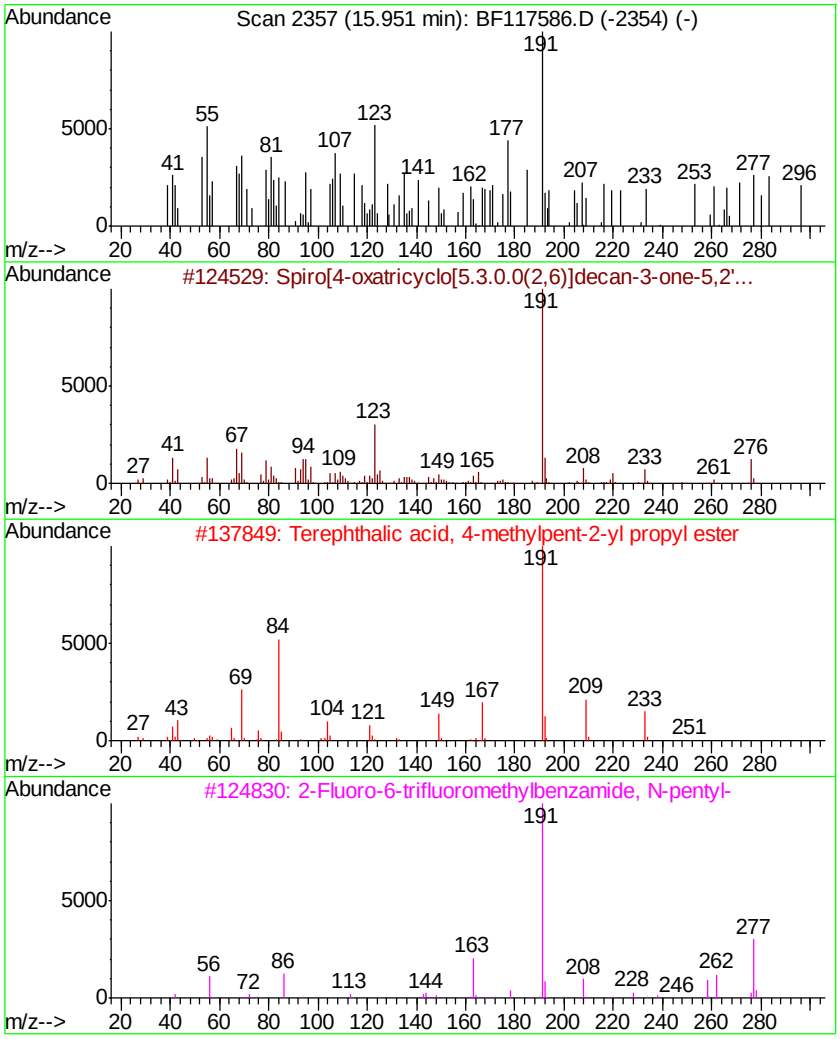
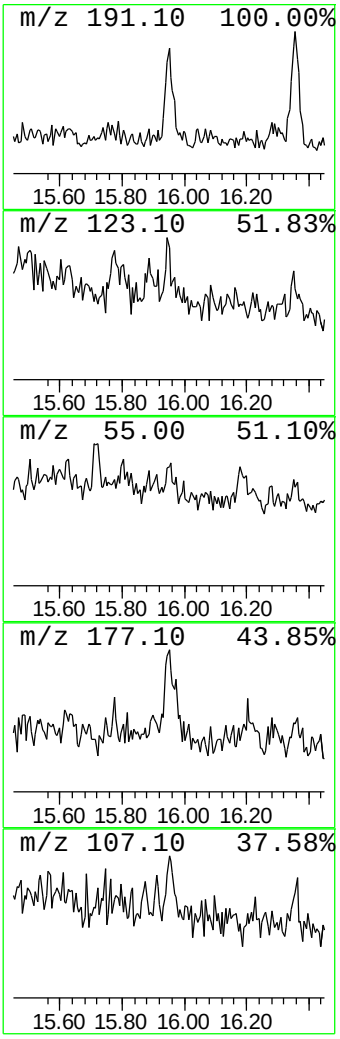
Peak Number 20 unknown15.95 Concentration Rank 6

R.T.	EstConc	Area	Relative to ISTD	R.T.
15.95	4.22 ng	56679	Perylene-d12	15.33

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Spiro[4-oxatricyclo[5.3.0.0(2,6)...	276	C18H28O2	1000156-82-9	16
2	Terephthalic acid, 4-methylpent-...	292	C17H24O4	1000356-25-5	14
3	2-Fluoro-6-trifluoromethylbenzam...	277	C13H15F4NO	1000358-11-1	14
4	6-Ethoxy-4-methylquinoline-2-thiol	219	C12H13NOS	1000303-46-9	11
5	5-(p-Aminophenyl)-2-thiazolamine	191	C9H9N3S	090349-87-4	10





Tentatively Identified Compound (LSC) summary

Data Path : Z:\SVOASRV\HPCHEM1\BNA_F\DATA\BF102919\
Data File : BF117586.D
Acq On : 29 Oct 2019 13:10
Operator : JU
Sample : K5503-11
Misc :
ALS Vial : 9 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : 173-38-(0-2)

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF101819.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...	4.94	3.9	ng	53580	1	6.73	276182	20.0
unknown6.51	6.51	87.3	ng	1205230	1	6.73	276182	20.0
Phenanthrene, 1-m...	11.75	3.6	ng	45213	4	11.25	251511	20.0
Phenanthrene, 2-m...	11.78	10.1	ng	127415	4	11.25	251511	20.0
Anthracene, 1-met...	11.83	2.5	ng	31050	4	11.25	251511	20.0
4H-Cyclopenta[def...	11.86	7.0	ng	88025	4	11.25	251511	20.0
Anthracene, 9-met...	11.89	3.0	ng	37793	4	11.25	251511	20.0
Naphthalene, 2-ph...	12.05	3.0	ng	38281	4	11.25	251511	20.0
Phenanthrene, 2,5...	12.30	2.8	ng	35275	4	11.25	251511	20.0
unknown12.34	12.34	2.4	ng	29655	4	11.25	251511	20.0
Cyclopenta(def)ph...	12.40	2.6	ng	32385	4	11.25	251511	20.0
Anthra(1,2-b)thio...	13.64	2.2	ng	82321	5	13.89	739649	20.0
Benz[a]anthracene...	14.28	2.5	ng	93143	5	13.89	739649	20.0
Hentriacontane	14.64	2.4	ng	32640	6	15.33	268850	20.0
4,4'-Biazulenyl	14.77	2.9	ng	39375	6	15.33	268850	20.0
Perylene	15.03	4.1	ng	54852	6	15.33	268850	20.0
Benzo[e]pyrene	15.22	10.9	ng	146436	6	15.33	268850	20.0
Tetratetracontane	15.72	3.7	ng	50251	6	15.33	268850	20.0
unknown15.95	15.95	4.2	ng	56679	6	15.33	268850	20.0