LSC Area Percent Report

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF022720\
Data File : BF119104.D
Acq On : 27 Feb 2020 11:00
Operator : CG/JU
Sample : L1678-01
Misc :
ALS Vial : 5 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : VNJ-241

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-BF022020.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	4.969	487	490	501	rVB	40088	55876	1.33%	0.129%
2	5.375	555	559	580	rVB	3201967	3087930	73.35%	7.152%
3	6.392	727	732	749	rBV	3031197	3094939	73.52%	7.169%
4	6.745	788	792	800	rBV	1088568	959359	22.79%	2.222%
5	6.898	814	818	822	rBV	2864464	2819805	66.98%	6.531%
6	7.310	883	888	891	rBV	2019631	2057759	48.88%	4.766%
7	7.951	993	997	1005	rBV	132017	131741	3.13%	0.305%
8	8.028	1005	1010	1013	rBV	1247508	1266292	30.08%	2.933%
9	9.104	1187	1193	1196	rBV	3954104	4209679	100.00%	9.751%
10	9.433	1245	1249	1252	rBV2	51761	53766	1.28%	0.125%
11	9.492	1256	1259	1266	rVB	244605	224106	5.32%	0.519%
12	9.639	1281	1284	1289	rVB	56611	46602	1.11%	0.108%
13	9.727	1294	1299	1302	rVV	142336	138012	3.28%	0.320%
14	9.775	1302	1307	1311	rVV	1615099	1523383	36.19%	3.529%
15	9.810	1311	1313	1316	rVB	78037	64854	1.54%	0.150%
16	9.975	1337	1341	1346	rBV2	136139	158543	3.77%	0.367%
17	10.322	1397	1400	1405	rBV	130912	128100	3.04%	0.297%
18	10.480	1424	1427	1431	rVB	60588	57571	1.37%	0.133%
19	10.569	1437	1442	1453	rBV	2849236	2736430	65.00%	6.338%
20	10.692	1458	1463	1467	rVB4	42500	63258	1.50%	0.147%
21	10.874	1489	1494	1496	rBV2	60752	75187	1.79%	0.174%
22	11.004	1510	1516	1517	rBV3	48877	68160	1.62%	0.158%
23	11.022	1517	1519	1525	rVV2	89324	103724	2.46%	0.240%
24	11.069	1525	1527	1530	rVV3	55244	53518	1.27%	0.124%
25	11.110	1531	1534	1540	rVV4	67630	118578	2.82%	0.275%
26	11.157	1540	1542	1547	rVB2	96166	99726	2.37%	0.231%
27	11.263	1556	1560	1562	rBV	1484845	1508291	35.83%	3.494%
28	11.286	1562	1564	1567	rVV	1037168	857820	20.38%	1.987%
29	11.333	1567	1572	1576	rVV	310950	316558	7.52%	0.733%
30	11.374	1576	1579	1582	rVV2	52313	56844	1.35%	0.132%
31	11.492	1593	1599	1601	rBV	110886	121266	2.88%	0.281%
32	11.557	1607	1610	1612	rVV	53500	45622	1.08%	0.106%
33	11.592	1613	1616	1621	rVB3	46522	63015	1.50%	0.146%
34	11.763	1641	1645	1647	rBV	207916	182075	4.33%	0.422%

LSC Area Percent Report

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Operator : CG/JU
Sample : L1678-01
Misc :
ALS Vial : 5 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : VNJ-241

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-BF022020.M
Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

35	11.792	1647	1650	1654	rVV	507471	484336	11.51%	1.122%
36	11.839	1655	1658	1660	rVV	118463	123176	2.93%	0.285%
37	11.874	1660	1664	1666	rVV	378249	419288	9.96%	0.971%
38	11.898	1666	1668	1672	rVB	163078	143872	3.42%	0.333%
39	12.057	1692	1695	1698	rVV	146606	120380	2.86%	0.279%
40	12.086	1698	1700	1703	rVB	79493	65918	1.57%	0.153%
41	12.204	1715	1720	1723	rBV2	83472	107119	2.54%	0.248%
42	12.239	1723	1726	1728	rBV2	73987	68521	1.63%	0.159%
43	12.310	1735	1738	1741	rBV	167431	179496	4.26%	0.416%
44	12.351	1741	1745	1750	rVV3	123442	180497	4.29%	0.418%
45	12.398	1750	1753	1757	rVV2	105464	127956	3.04%	0.296%
46	12.474	1762	1766	1769	rBV	1982023	1728178	41.05%	4.003%
47	12.539	1775	1777	1779	rVB3	67927	52099	1.24%	0.121%
48	12.574	1779	1783	1785	rBV2	95538	106598	2.53%	0.247%
49	12.621	1789	1791	1795	rVV	76652	94428	2.24%	0.219%
50	12.704	1799	1805	1807	rVV	1358300	1548276	36.78%	3.586%
51	12.751	1811	1813	1817	rVV2	53297	68182	1.62%	0.158%
52	12.845	1822	1829	1832	rBV	3766571	3522346	83.67%	8.159%
53	12.927	1838	1843	1846	rBV3	111748	185740	4.41%	0.430%
54	13.010	1854	1857	1858	rBV2	89729	101094	2.40%	0.234%
55	13.027	1858	1860	1864	rVB	217535	211830	5.03%	0.491%
56	13.098	1869	1872	1874	rBV	140859	111426	2.65%	0.258%
57	13.121	1874	1876	1877	rBV	103116	91928	2.18%	0.213%
58	13.227	1891	1894	1896	rVB	88321	74792	1.78%	0.173%
59	13.257	1896	1899	1903	rBV	77824	85807	2.04%	0.199%
60	13.415	1923	1926	1930	rBV2	199686	228488	5.43%	0.529%
61	13.545	1945	1948	1952	rVB	109430	121596	2.89%	0.282%
62	13.651	1963	1966	1968	rBV	99201	103708	2.46%	0.240%
63	13.674	1968	1970	1972	rVB	99991	73352	1.74%	0.170%
64	13.698	1972	1974	1976	rBV	54574	59415	1.41%	0.138%
65	13.745	1978	1982	1991	rVB4	307603	518460	12.32%	1.201%
66	13.898	2003	2008	2011	rBV2	1335338	1693053	40.22%	3.921%
67	13.921	2011	2012	2016	rVB	494341	387273	9.20%	0.897%
68	14.368	2085	2088	2092	rBV4	119263	181040	4.30%	0.419%
69	14.410	2093	2095	2097	rVV2	97931	75421	1.79%	0.175%
70	14.921	2178	2182	2189	rBV	486455	882686	20.97%	2.045%
71	15.209	2228	2231	2237	rVB	303719	384208	9.13%	0.890%

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Misc :
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Instrument : BNA_F
ClientSampleId : VNJ-241

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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72	15.268	2238	2241	2246	rVV	371078	466128	11.07%	1.080%
73	15.327	2247	2251	2266	rVB	917365	1447132	34.38%	3.352%

Sum of corrected areas: 43173632

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Instrument :
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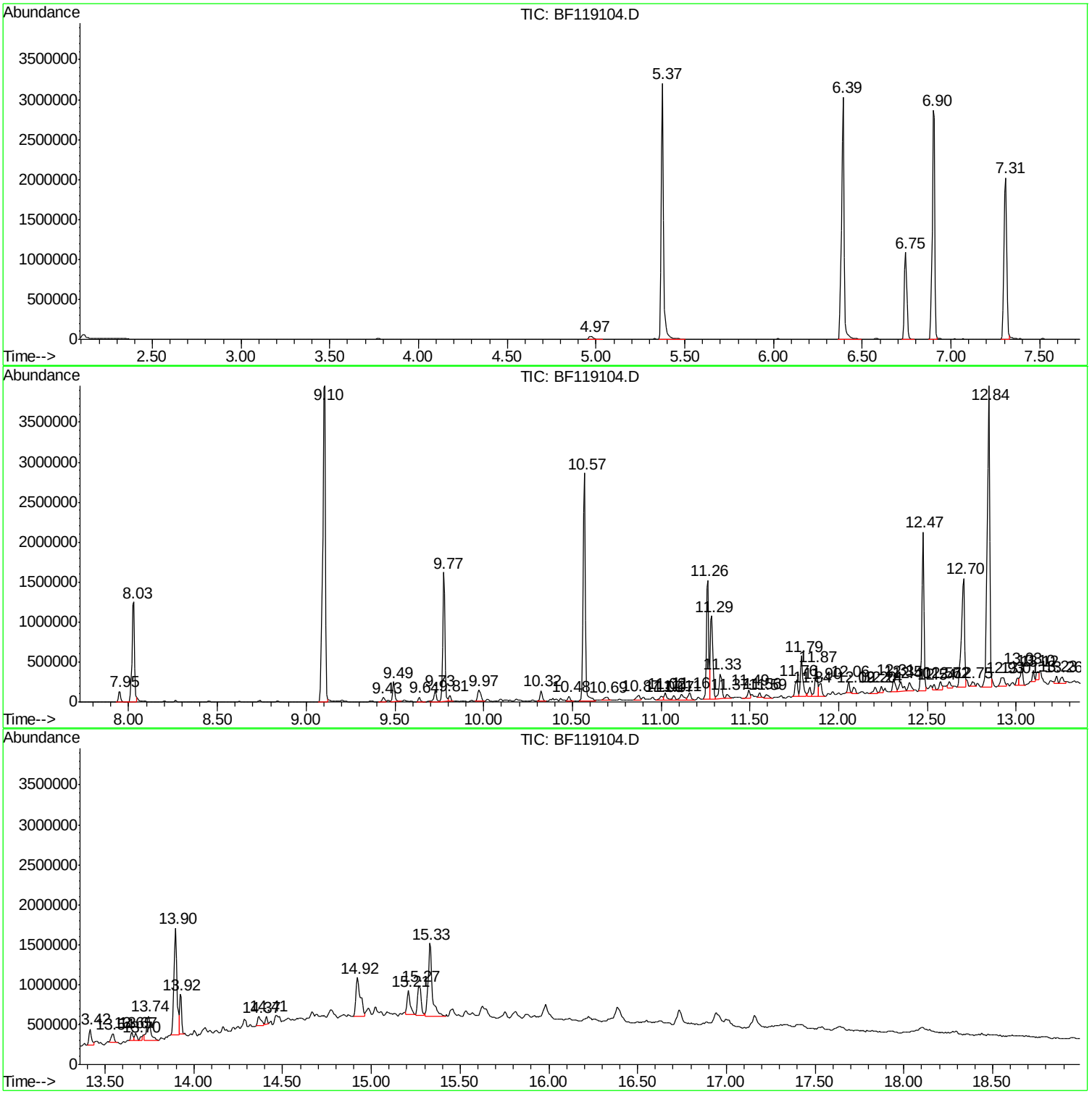
Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF022020.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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



Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF022720\
Data File : BF119104.D
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Operator : CG/JU
Sample : L1678-01
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ALS Vial : 5 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : VNJ-241

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF022020.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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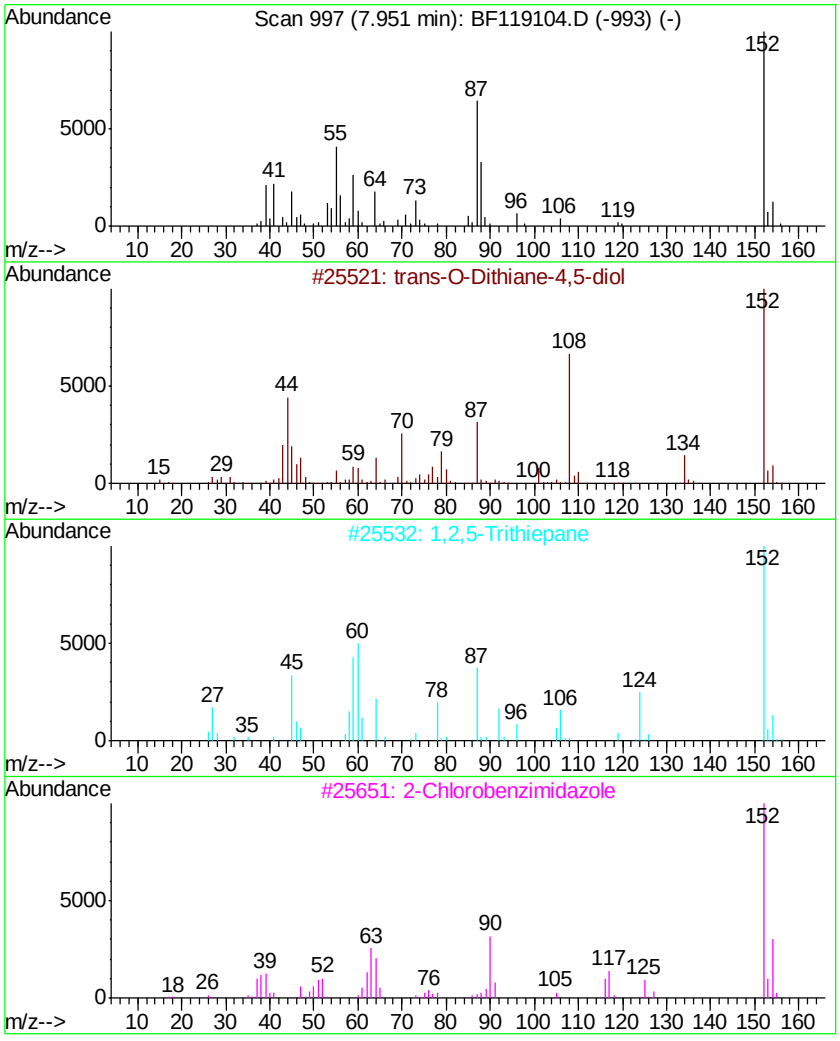
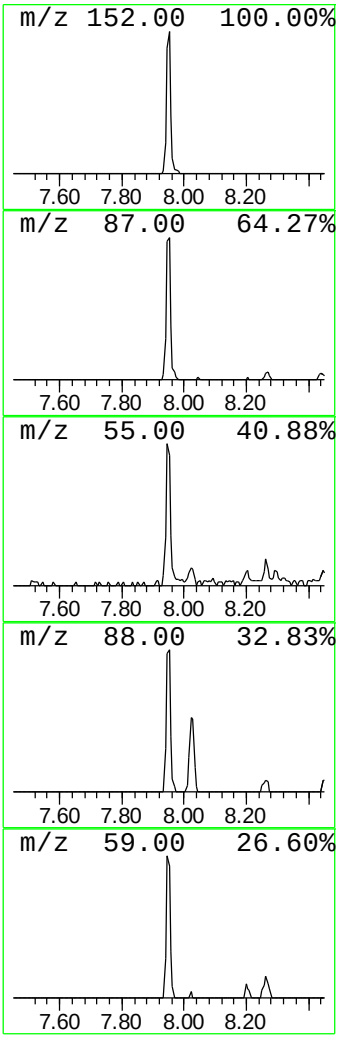
Peak Number 2 unknown7.95 Concentration Rank 14

R.T.	EstConc	Area	Relative to ISTD	R.T.
7.95	2.08 ng	131741	Naphthalene-d8	8.03

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	trans-O-Dithiane-4,5-diol	152	C4H8O2S2	014193-38-5	37
2	1,2,5-Trithiepane	152	C4H8S3	006576-93-8	36
3	2-Chlorobenzimidazole	152	C7H5ClN2	004857-06-1	35
4	1,2,4-Trithiolane, 3,5-dimethyl-	152	C4H8S3	023654-92-4	33
5	Vanillin lactoside	476	C20H28O13	1000129-94-7	17





Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF022720\
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Sample : L1678-01
Misc :
ALS Vial : 5 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : VNJ-241

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF022020.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

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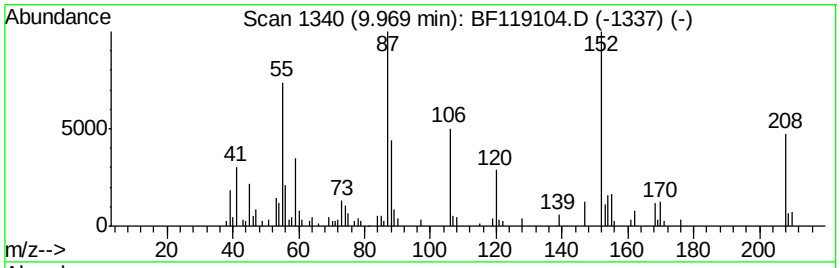
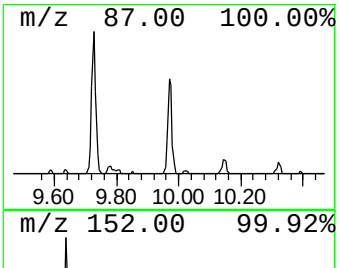
Peak Number 3 unknown9.97 Concentration Rank 13

R.T.	EstConc	Area	Relative to ISTD	R.T.
9.97	2.08 ng	158543	Acenaphthene-d10	9.77

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzaldehyde, 2-hydroxy-3-methoxy-	152	C8H8O3	000148-53-8	14
2	5-Methyl-2-nitroaniline	152	C7H8N2O2	000578-46-1	14
3	Acenaphthylene	152	C12H8	000208-96-8	10
4	2-Propenenitrile, 2-chloro-	87	C3H2ClN	000920-37-6	10
5	Thiophane, propyl-	130	C7H14S	001551-34-4	10





Library Search Compound Report

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF022720\
Data File : BF119104.D
Acq On : 27 Feb 2020 11:00
Operator : CG/JU
Sample : L1678-01
Misc :
ALS Vial : 5 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : VNJ-241

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF022020.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

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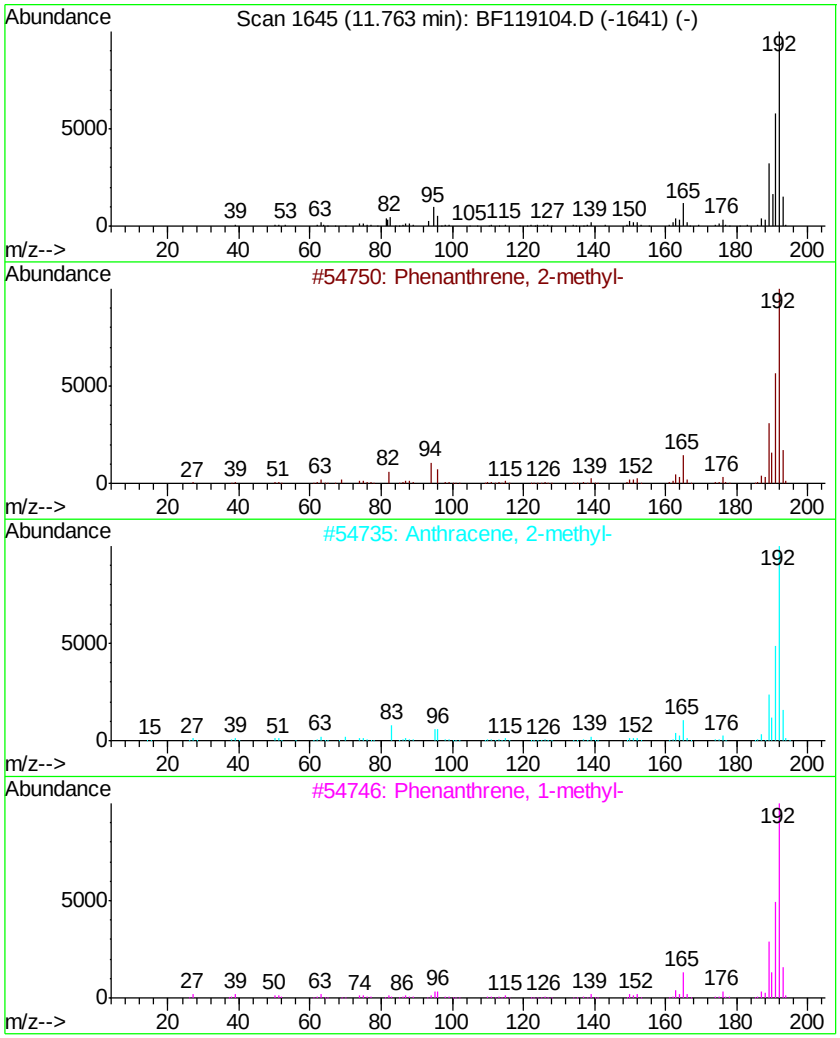
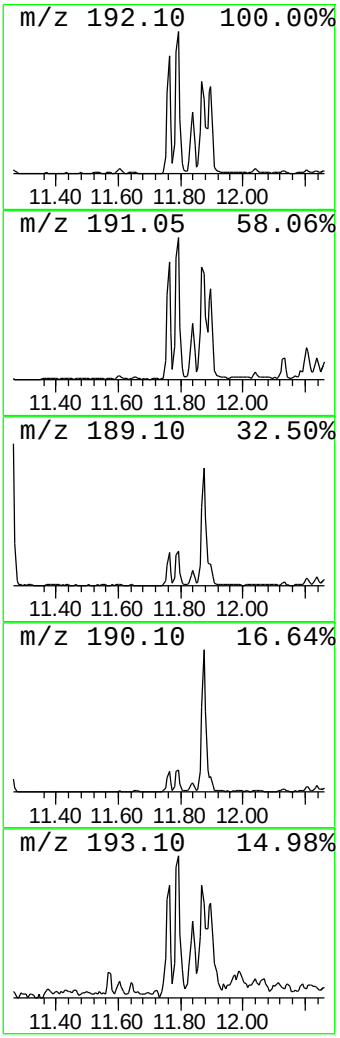
Peak Number 4 Phenanthrene, 2-methyl- Concentration Rank 8

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.76	2.41 ng	182075	Phenanthrene-d10	11.26

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Phenanthrene, 2-methyl-	192	C15H12	002531-84-2	97
2	Anthracene, 2-methyl-	192	C15H12	000613-12-7	96
3	Phenanthrene, 1-methyl-	192	C15H12	000832-69-9	95
4	Anthracene, 1-methyl-	192	C15H12	000610-48-0	91
5	1H-Cyclopropa[l]phenanthrene,1a,...	192	C15H12	000949-41-7	91





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Instrument : BNA_F
ClientSampleId : VNJ-241

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF022020.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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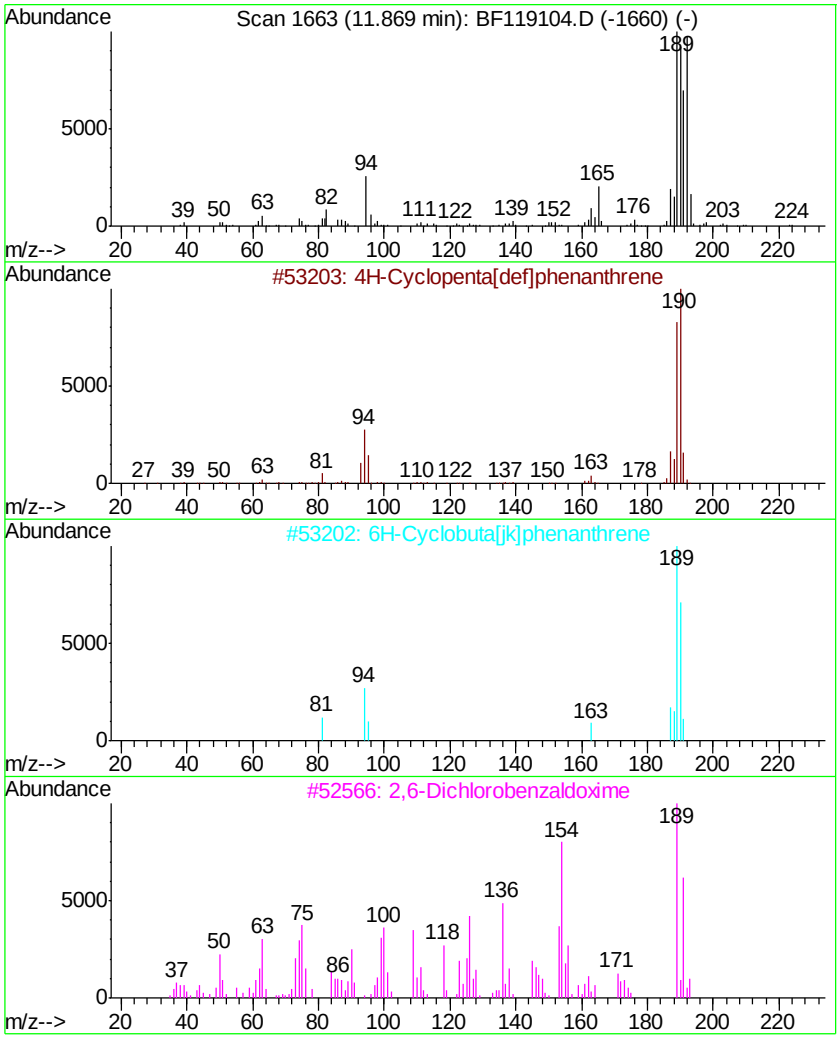
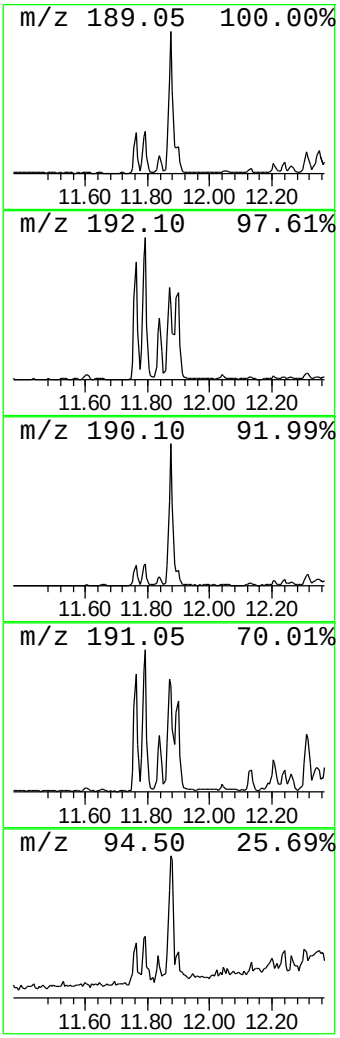
Peak Number 6 4H-Cyclopenta[def]phenanthrene Concentration Rank 4

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.87	5.56 ng	419288	Phenanthrene-d10	11.26

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	4H-Cyclopenta[def]phenanthrene	190	C15H10	000203-64-5	94
2	6H-Cyclobuta[jk]phenanthrene	190	C15H10	083469-43-6	53
3	2,6-Dichlorobenzaldoxime	189	C7H5Cl2NO	025185-95-9	42
4	1H-Indene, 2-phenyl-	192	C15H12	004505-48-0	18
5	5H-Dibenzo[a,d]cycloheptene	192	C15H12	000256-81-5	18





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Sample : L1678-01
Misc :
ALS Vial : 5 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : VNJ-241

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF022020.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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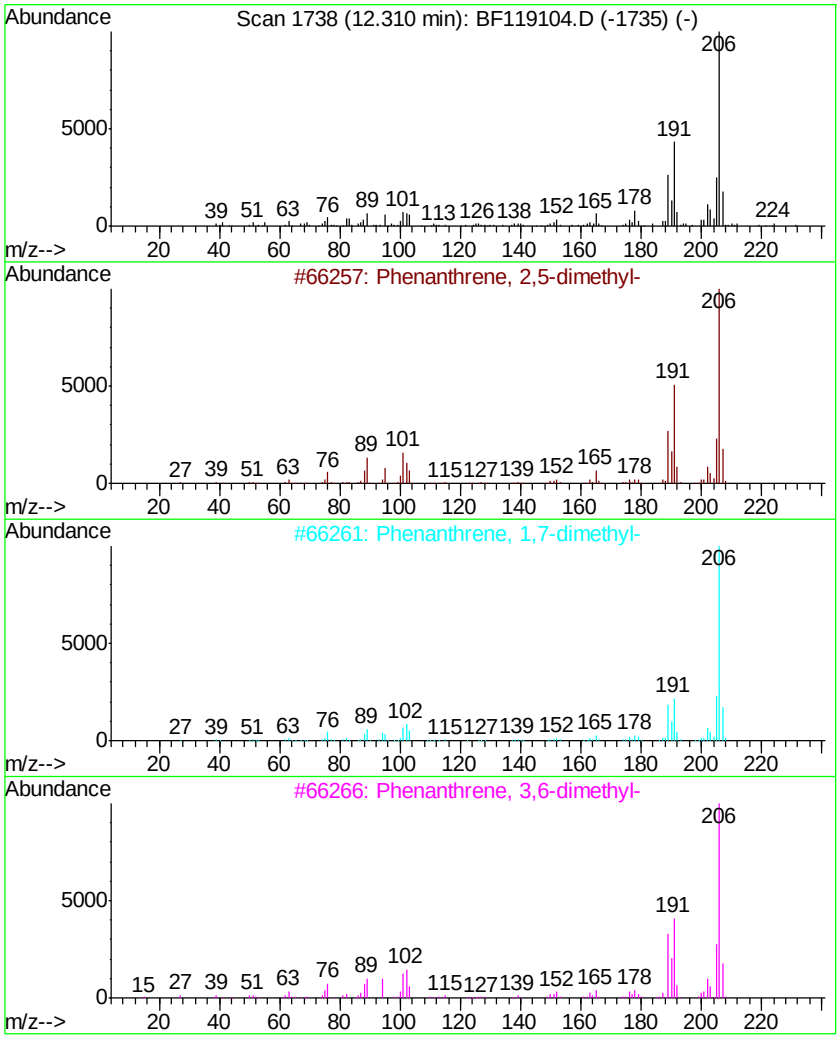
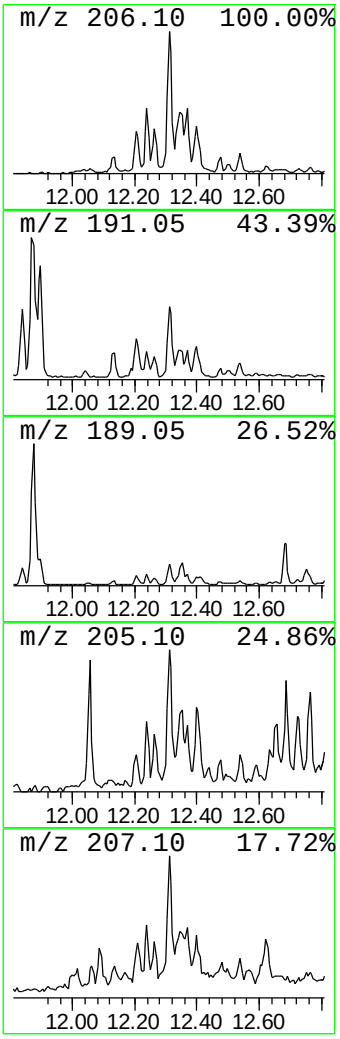
Peak Number 7 Phenanthrene, 2,5-dimethyl- Concentration Rank 10

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.31	2.38 ng	179496	Phenanthrene-d10	11.26

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Phenanthrene, 2,5-dimethyl-	206	C16H14	003674-66-6	93
2	Phenanthrene, 1,7-dimethyl-	206	C16H14	000483-87-4	93
3	Phenanthrene, 3,6-dimethyl-	206	C16H14	001576-67-6	91
4	9,10-Dimethylanthracene	206	C16H14	000781-43-1	91
5	di-p-Tolylacetylene	206	C16H14	002789-88-0	90





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Data File : BF119104.D
Acq On : 27 Feb 2020 11:00
Operator : CG/JU
Sample : L1678-01
Misc :
ALS Vial : 5 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : VNJ-241

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF022020.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

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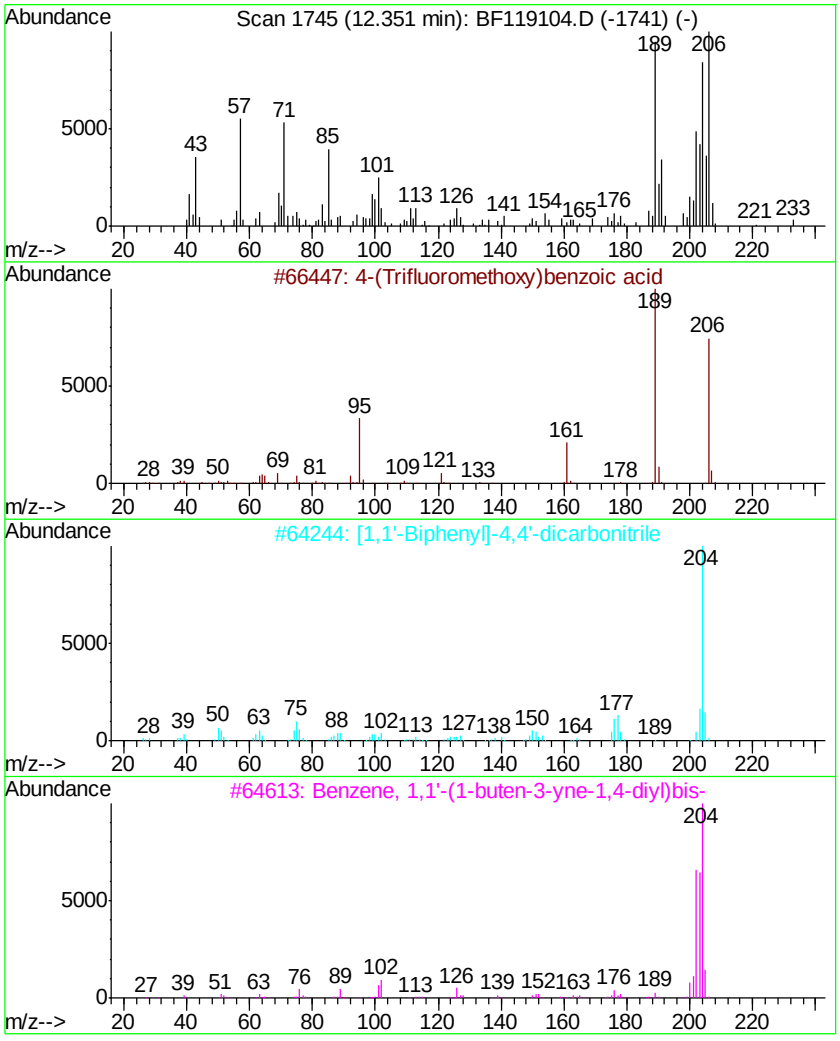
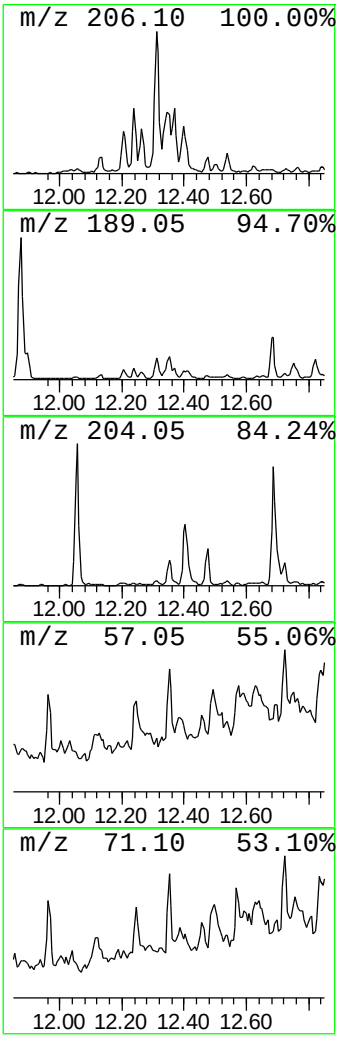
Peak Number 8 unknown12.35 Concentration Rank 9

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.35	2.39 ng	180497	Phenanthrene-d10	11.26

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	4-(Trifluoromethoxy)benzoic acid	206	C8H5F3O3	000330-12-1	25
2	[1,1'-Biphenyl]-4,4'-dicarbonitrile	204	C14H8N2	001591-30-6	25
3	Benzene, 1,1'-(1-buten-3-yne-1,4...	204	C16H12	013141-45-2	18
4	Isoquinoline, 1-phenyl-	205	C15H11N	003297-72-1	15
5	Phenanthrene, 3,6-dimethyl-	206	C16H14	001576-67-6	14





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TIC Integration Parameters: LSCINT.P

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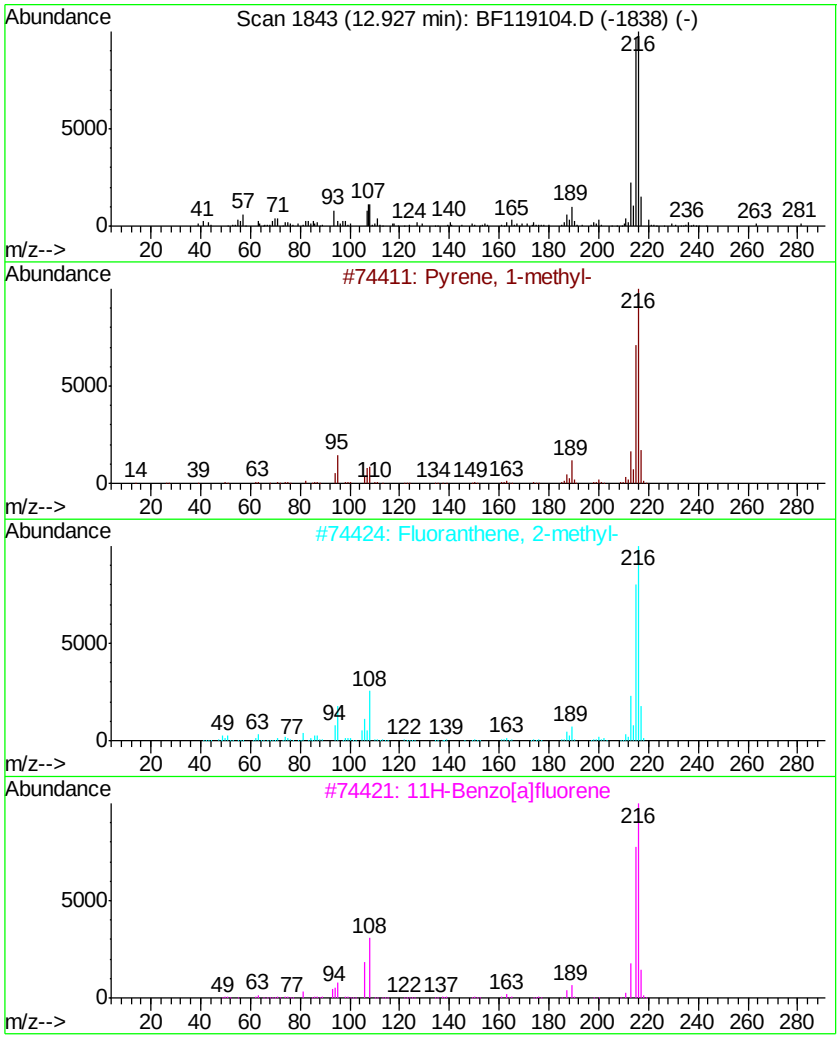
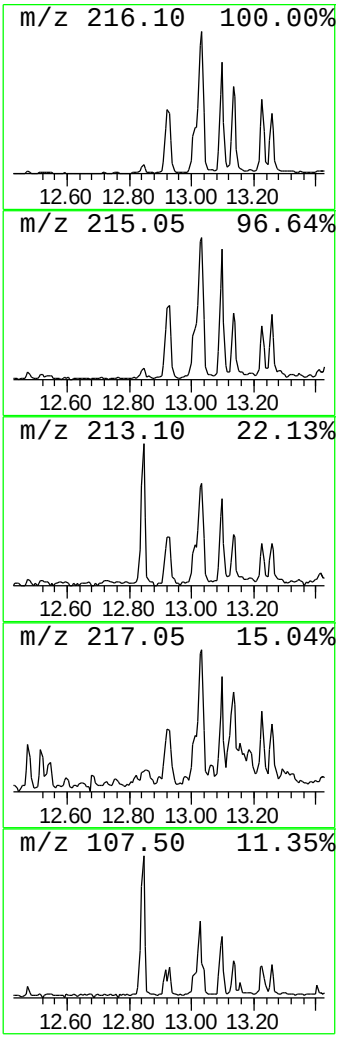
Peak Number 9 Pyrene, 1-methyl- Concentration Rank 11

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.93	2.19 ng	185740	Chrysene-d12	13.90

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Pyrene, 1-methyl-	216	C17H12	002381-21-7	90
2	Fluoranthene, 2-methyl-	216	C17H12	033543-31-6	90
3	11H-Benzo[a]fluorene	216	C17H12	000238-84-6	81
4	7H-Benzo[c]fluorene	216	C17H12	000205-12-9	74
5	Pyrene, 2-methyl-	216	C17H12	003442-78-2	70





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Acq On : 27 Feb 2020 11:00
Operator : CG/JU
Sample : L1678-01
Misc :
ALS Vial : 5 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : VNJ-241

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF022020.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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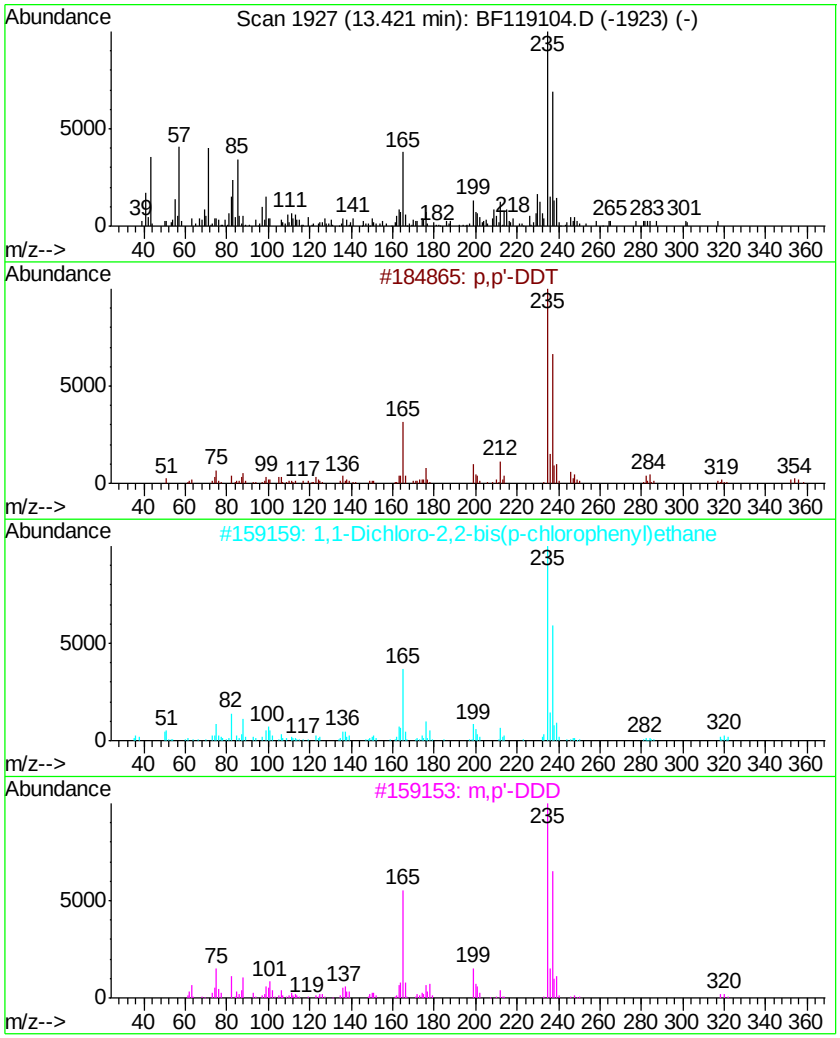
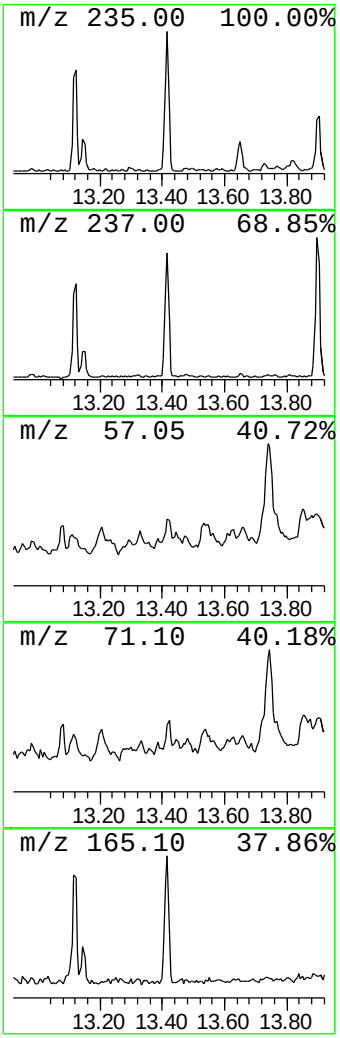
Peak Number 11 p,p'-DDT Concentration Rank 6

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.42	2.70 ng	228488	Chrysene-d12	13.90

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	p,p'-DDT	352	C14H9Cl5	000050-29-3	91
2	1,1-Dichloro-2,2-bis(p-chlorophe...	318	C14H10Cl4	000072-54-8	91
3	m,p'-DDD	318	C14H10Cl4	004329-12-8	87
4	2,2-Bis(p-chlorophenyl)ethanol	266	C14H12Cl2O	002642-82-2	83
5	1,2-Bis(2-chlorophenyl)-1,2-bis(...	470	C26H18Cl4	1000137-94-8	83





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Sample : L1678-01
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Instrument : BNA_F
ClientSampleId : VNJ-241

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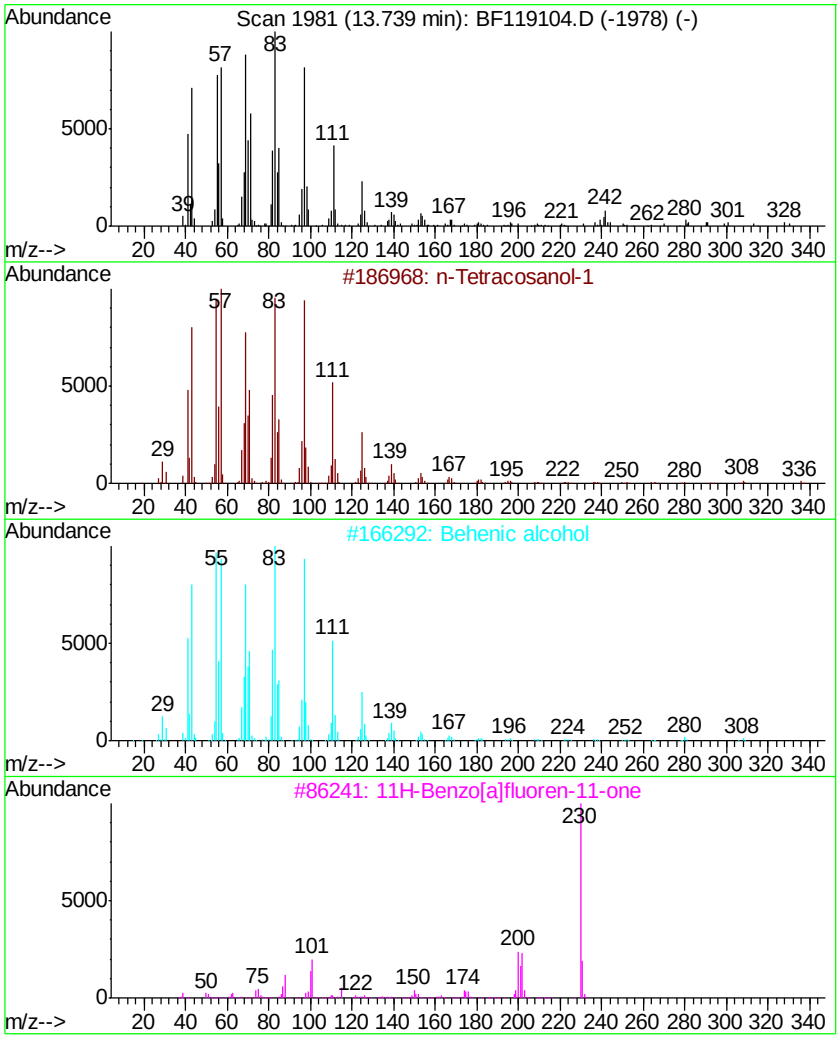
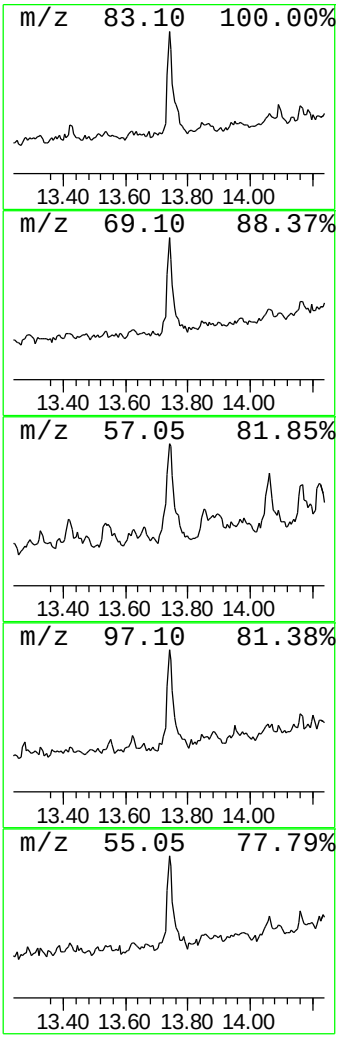
Peak Number 12 n-Tetracosanol-1 Concentration Rank 3

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.74	6.12 ng	518460	Chrysene-d12	13.90

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	n-Tetracosanol-1	354	C24H50O	000506-51-4	60
2	Behenic alcohol	326	C22H46O	000661-19-8	60
3	11H-Benzo[a]fluoren-11-one	230	C17H10O	000479-79-8	59
4	1-Heneicosanol	312	C21H44O	015594-90-8	55
5	Docosyl pentafluoropropionate	472	C25H45F5O2	1000351-80-9	50





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Data File : BF119104.D
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Operator : CG/JU
Sample : L1678-01
Misc :
ALS Vial : 5 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : VNJ-241

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF022020.M
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TIC Library : C:\DATABASE\NIST11.L
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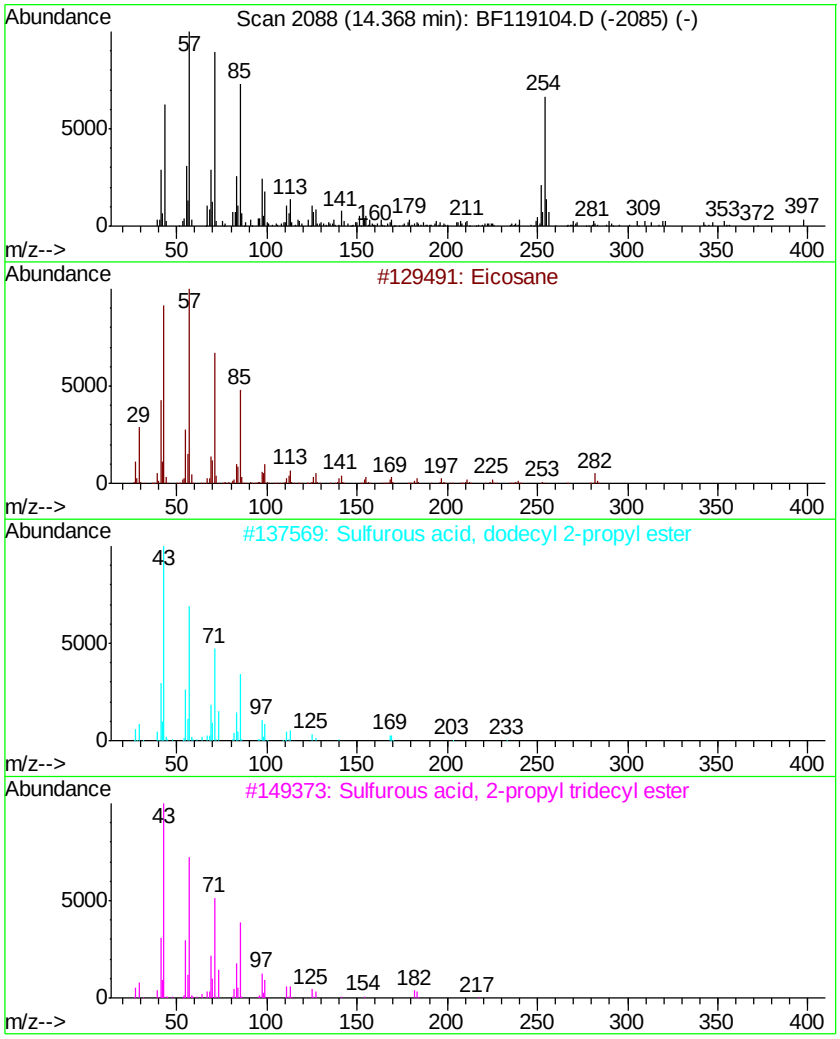
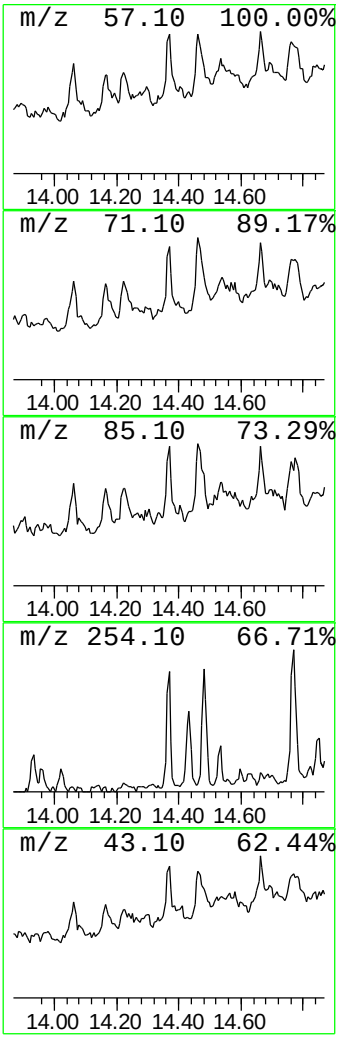
Peak Number 13 Eicosane Concentration Rank 12

R.T.	EstConc	Area	Relative to ISTD	R.T.
14.37	2.14 ng	181040	Chrysene-d12	13.90

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Eicosane	282	C20H42	000112-95-8	78
2	Sulfurous acid, dodecyl 2-propyl...	292	C15H32O3S	1000309-12-3	62
3	Sulfurous acid, 2-propyl tridecy...	306	C16H34O3S	1000309-12-4	62
4	Tetracosane	338	C24H50	000646-31-1	58
5	Tetratetracontane	619	C44H90	007098-22-8	46





Library Search Compound Report

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF022720\
Data File : BF119104.D
Acq On : 27 Feb 2020 11:00
Operator : CG/JU
Sample : L1678-01
Misc :
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Instrument : BNA_F
ClientSampleId : VNJ-241

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF022020.M
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TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

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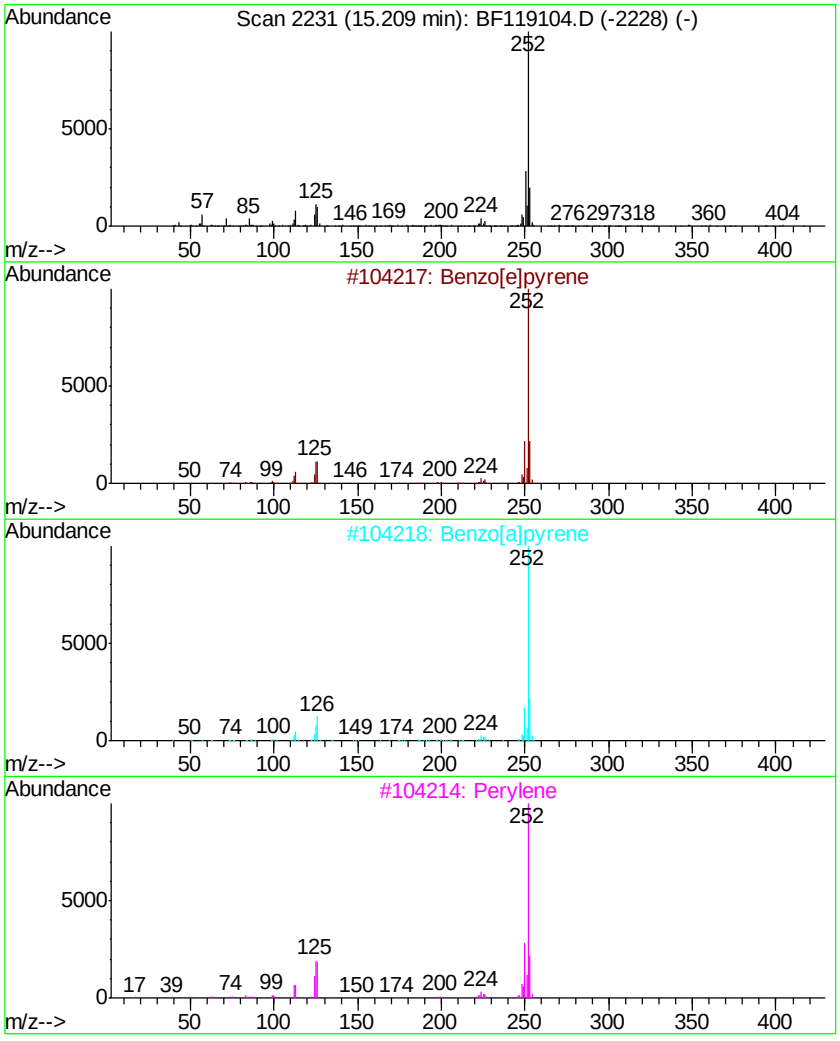
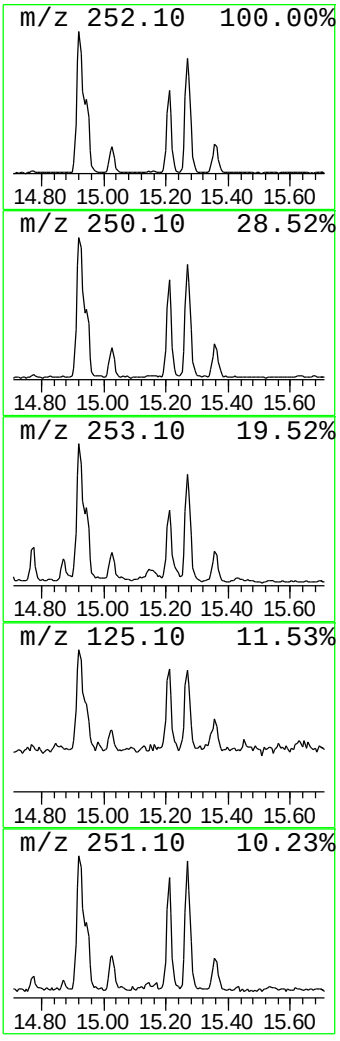
Peak Number 14 Benzo[e]pyrene Concentration Rank 5

R.T.	EstConc	Area	Relative to ISTD	R.T.
15.21	5.31 ng	384208	Perylene-d12	15.33

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzo[e]pyrene	252	C20H12	000192-97-2	98
2	Benzo[a]pyrene	252	C20H12	000050-32-8	95
3	Perylene	252	C20H12	000198-55-0	95
4	Benz[e]acephenanthrylene	252	C20H12	000205-99-2	93
5	Benzo[j]fluoranthene	252	C20H12	000205-82-3	93





Tentatively Identified Compound (LSC) summary

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Data File : BF119104.D
Acq On : 27 Feb 2020 11:00
Operator : CG/JU
Sample : L1678-01
Misc :
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Instrument : BNA_F
ClientSampleId : VNJ-241

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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

					Internal Standard			
TIC Top Hit name	RT	EstConc	Units	Response	#	RT	Resp	Conc
unknown7.95	7.95	2.1	ng	131741	2	8.03	1266290	20.0
unknown9.97	9.97	2.1	ng	158543	3	9.77	1523380	20.0
Phenanthrene, 2-m...	11.76	2.4	ng	182075	4	11.26	1508290	20.0
4H-Cyclopenta[def...	11.87	5.6	ng	419288	4	11.26	1508290	20.0
Phenanthrene, 2,5...	12.31	2.4	ng	179496	4	11.26	1508290	20.0
unknown12.35	12.35	2.4	ng	180497	4	11.26	1508290	20.0
Pyrene, 1-methyl-	12.93	2.2	ng	185740	5	13.90	1693050	20.0
p,p'-DDT	13.42	2.7	ng	228488	5	13.90	1693050	20.0
n-Tetracosanol-1	13.74	6.1	ng	518460	5	13.90	1693050	20.0
Eicosane	14.37	2.1	ng	181040	5	13.90	1693050	20.0
Benzo[e]pyrene	15.21	5.3	ng	384208	6	15.33	1447130	20.0