LSC Area Percent Report

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF082923\
Data File : BF134997.D
Acq On : 29 Aug 2023 22:25
Operator : CG\JU
Sample : 04110-20
Misc :
ALS Vial : 20 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
TP-28(1.5-2.5)

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-BF082223.M
Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

Signal : TIC: BF134997.D\data.ms

peak #	R.T. min	first scan	max scan	last scan	PK TY	peak height	corr. area	corr. % max.	% of total
1	5.410	561	565	569	rVB	1992414	1823283	19.06%	1.653%
2	6.422	732	737	740	rVB	2017627	1903077	19.89%	1.726%
3	6.610	766	769	775	rBV2	168345	235735	2.46%	0.214%
4	6.781	795	798	805	rVB	860117	812782	8.49%	0.737%
5	7.345	885	894	897	rBV	1645835	1441719	15.07%	1.307%
6	8.063	1011	1016	1018	rBV	1179756	1105311	11.55%	1.002%
7	8.081	1018	1019	1022	rVV	451399	346018	3.62%	0.314%
8	8.775	1134	1137	1140	rVB	488305	368597	3.85%	0.334%
9	8.875	1151	1154	1157	rBV	402256	306754	3.21%	0.278%
10	9.139	1194	1199	1202	rBV	2812231	2326941	24.32%	2.110%
11	9.222	1207	1213	1215	rBV	213375	202435	2.12%	0.184%
12	9.475	1253	1256	1259	rBV	276335	261771	2.74%	0.237%
13	9.680	1287	1291	1294	rVB	1370461	1045443	10.93%	0.948%
14	9.822	1308	1315	1317	rVV	1105342	1077302	11.26%	0.977%
15	9.969	1336	1340	1346	rBV7	97946	179377	1.87%	0.163%
16	10.022	1346	1349	1352	rVB	280031	238101	2.49%	0.216%
17	10.227	1380	1384	1386	rBV2	248545	233165	2.44%	0.211%
18	10.363	1404	1407	1414	rVB2	196801	242287	2.53%	0.220%
19	10.480	1424	1427	1431	rBV3	225551	239262	2.50%	0.217%
20	10.610	1445	1449	1453	rVB	1451369	1292648	13.51%	1.172%
21	10.745	1466	1472	1475	rBV3	760323	1012636	10.58%	0.918%
22	11.051	1521	1524	1526	rBV	161945	179869	1.88%	0.163%
23	11.157	1540	1542	1545	rVV	157098	200915	2.10%	0.182%
24	11.210	1549	1551	1556	rVB4	240032	247852	2.59%	0.225%
25	11.310	1565	1568	1570	rBV	910784	801772	8.38%	0.727%
26	11.333	1570	1572	1575	rVV	939217	782957	8.18%	0.710%
27	11.386	1578	1581	1584	rVB	595681	461330	4.82%	0.418%
28	11.422	1584	1587	1590	rBV3	193206	213658	2.23%	0.194%
29	11.545	1605	1608	1610	rVV	250682	230692	2.41%	0.209%
30	11.569	1610	1612	1615	rVV	218826	261392	2.73%	0.237%
31	11.610	1617	1619	1623	rVB	266461	216888	2.27%	0.197%
32	11.816	1651	1654	1656	rBV	336050	302294	3.16%	0.274%
33	11.851	1656	1660	1663	rVB2	586554	660070	6.90%	0.599%
34	11.892	1664	1667	1669	rBV	279688	236095	2.47%	0.214%
35	11.927	1669	1673	1676	rBV	505187	578937	6.05%	0.525%
36	12.139	1707	1709	1713	rVB2	280627	254439	2.66%	0.231%

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF082923\
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Sample : 04110-20
Misc :
ALS Vial : 20 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
TP-28(1.5-2.5)

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-BF082223.M
Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

37	12.321	1738	1740	1743	rVB	233320	181945	1.90%	0.165%
38	12.368	1745	1748	1751	rBV	510235	537638	5.62%	0.488%
39	12.410	1752	1755	1760	rVB3	339977	501738	5.24%	0.455%
40	12.463	1760	1764	1768	rBV	1112224	1061385	11.09%	0.962%
41	12.545	1772	1778	1781	rBV	4929378	5821179	60.84%	5.278%
42	12.627	1790	1792	1796	rVB	473889	472140	4.93%	0.428%
43	12.680	1798	1801	1804	rVV2	326226	322181	3.37%	0.292%
44	12.780	1811	1818	1821	rBV2	5633952	8525751	89.10%	7.731%
45	12.816	1821	1824	1829	rVB2	338100	472696	4.94%	0.429%
46	12.886	1832	1836	1837	rBV	627668	600482	6.28%	0.544%
47	12.910	1837	1840	1847	rVB2	1710255	2028616	21.20%	1.839%
48	12.986	1847	1853	1857	rBV2	939053	1547516	16.17%	1.403%
49	13.074	1864	1868	1870	rBV3	779863	1167899	12.21%	1.059%
50	13.098	1870	1872	1875	rVB	952827	775802	8.11%	0.703%
51	13.163	1879	1883	1885	rVB	547683	496050	5.18%	0.450%
52	13.198	1885	1889	1892	rBV2	1419018	1569152	16.40%	1.423%
53	13.257	1897	1899	1902	rBV	231894	213185	2.23%	0.193%
54	13.292	1902	1905	1908	rBV	755613	701169	7.33%	0.636%
55	13.321	1908	1910	1914	rBV2	691577	714871	7.47%	0.648%
56	13.474	1933	1936	1937	rBV2	214621	231458	2.42%	0.210%
57	13.521	1942	1944	1946	rVV	285214	267306	2.79%	0.242%
58	13.580	1951	1954	1956	rVV2	289948	311942	3.26%	0.283%
59	13.610	1956	1959	1963	rVV	949179	986296	10.31%	0.894%
60	13.668	1966	1969	1972	rVV2	267585	275126	2.88%	0.249%
61	13.721	1973	1978	1980	rVV	982539	1166127	12.19%	1.057%
62	13.751	1980	1983	1984	rVV	983345	983906	10.28%	0.892%
63	13.774	1984	1987	1992	rVV2	1311186	1866673	19.51%	1.693%
64	13.821	1992	1995	1999	rVB	982606	939554	9.82%	0.852%
65	13.974	2013	2021	2023	rBV	4088418	6428887	67.19%	5.829%
66	14.015	2023	2028	2034	rVB	4246588	5927779	61.95%	5.375%
67	14.086	2037	2040	2041	rBV	517558	412870	4.31%	0.374%
68	14.121	2044	2046	2048	rBV	361362	302928	3.17%	0.275%
69	14.192	2055	2058	2060	rBV	419231	441611	4.62%	0.400%
70	14.233	2063	2065	2068	rBV2	373673	305083	3.19%	0.277%
71	14.292	2072	2075	2078	rBV2	227831	218523	2.28%	0.198%
72	14.327	2078	2081	2082	rBV	383568	388236	4.06%	0.352%
73	14.362	2084	2087	2090	rVV	1232271	1346002	14.07%	1.220%
74	14.398	2090	2093	2097	rVB2	802966	910264	9.51%	0.825%
75	14.457	2097	2103	2106	rBV3	513695	819775	8.57%	0.743%
76	14.492	2106	2109	2110	rVV	671973	636127	6.65%	0.577%

LSC Area Percent Report

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Acq On : 29 Aug 2023 22:25
Operator : CG\JU
Sample : 04110-20
Misc :
ALS Vial : 20 Sample Multiplier: 1

Instrument :
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ClientSampleId :
TP-28(1.5-2.5)

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
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Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF082223.M
Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

77	14.510	2110	2112	2115	rVB2	616800	503896	5.27%	0.457%
78	14.557	2118	2120	2126	rVB2	440003	539409	5.64%	0.489%
79	14.680	2137	2141	2145	rBV3	405478	561841	5.87%	0.509%
80	14.751	2150	2153	2157	rBV3	220372	431317	4.51%	0.391%
81	14.862	2168	2172	2176	rBV2	638076	760024	7.94%	0.689%
82	15.051	2194	2204	2206	rBV2	4185450	9568482	100.00%	8.676%
83	15.139	2216	2219	2223	rVB	1393308	1505709	15.74%	1.365%
84	15.221	2229	2233	2234	rBV2	336467	395266	4.13%	0.358%
85	15.286	2241	2244	2247	rVB2	177437	190848	1.99%	0.173%
86	15.345	2247	2254	2259	rVV	2466610	4043666	42.26%	3.667%
87	15.415	2259	2266	2269	rVB	3299499	5136435	53.68%	4.657%
88	15.462	2269	2274	2276	rBV	463285	605373	6.33%	0.549%
89	15.498	2276	2280	2285	rVB2	1327660	1890241	19.75%	1.714%
90	15.815	2331	2334	2340	rVB2	177244	289663	3.03%	0.263%
91	15.939	2351	2355	2359	rBV3	130414	213095	2.23%	0.193%
92	16.015	2365	2368	2373	rVB2	233752	300447	3.14%	0.272%
93	16.492	2445	2449	2455	rVB5	109658	202527	2.12%	0.184%
94	16.756	2489	2494	2496	rBV	180610	315937	3.30%	0.286%
95	16.968	2520	2530	2535	rVB2	1293390	2908768	30.40%	2.638%
96	17.127	2551	2557	2562	rBV2	286439	616712	6.45%	0.559%
97	17.186	2562	2567	2573	rVV3	261371	508313	5.31%	0.461%
98	17.415	2596	2606	2614	rVB	888609	2144212	22.41%	1.944%
99	17.545	2622	2628	2638	rBV8	197994	605459	6.33%	0.549%
100	17.645	2639	2645	2661	rVB2	309190	844568	8.83%	0.766%

Sum of corrected areas: 110283880

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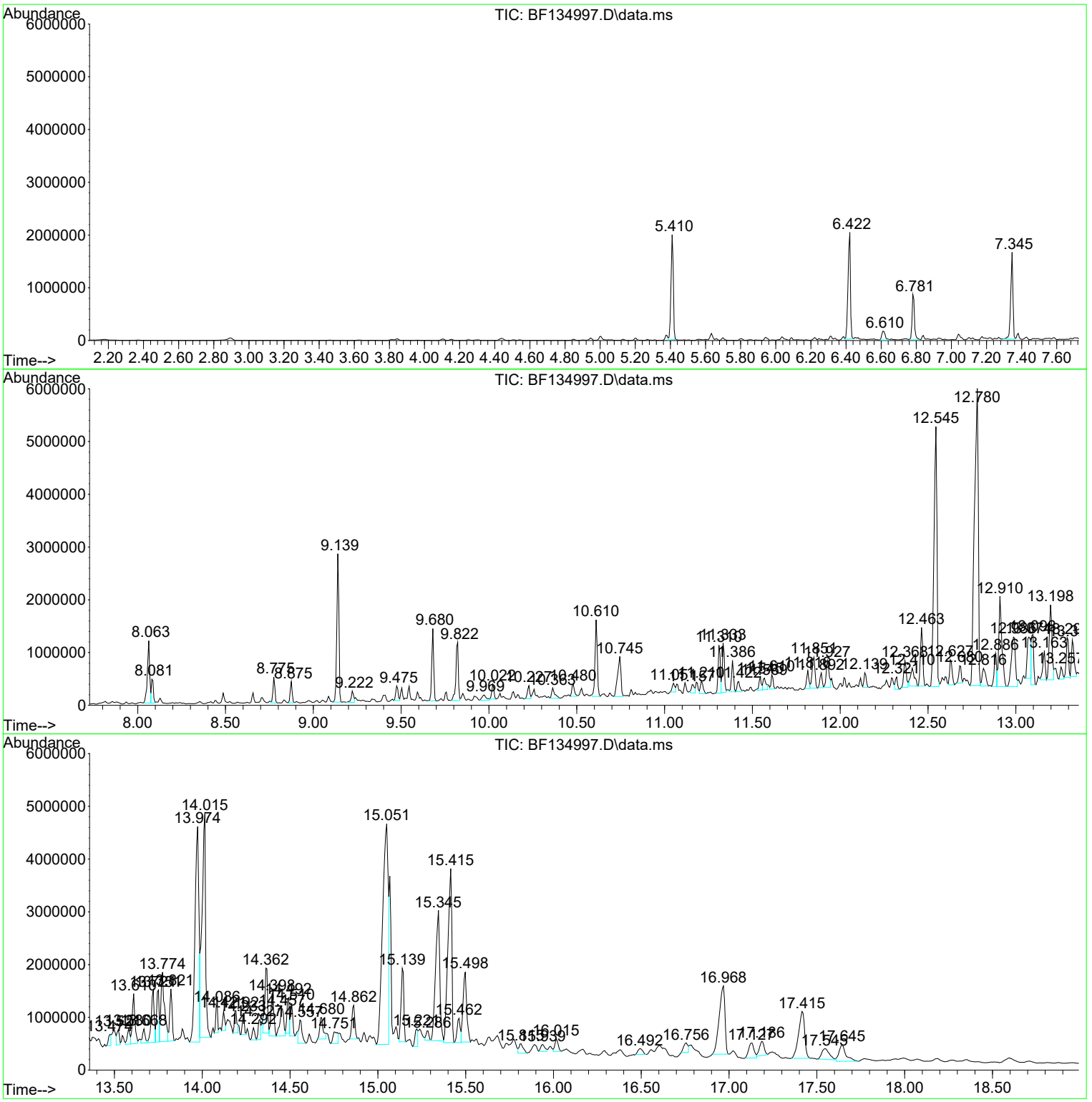
ALS Vial : 20 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
TP-28(1.5-2.5)

Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF082223.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P



Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF082923\
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Misc :
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Instrument :
BNA_F
ClientSampleId :
TP-28(1.5-2.5)

Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF082223.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

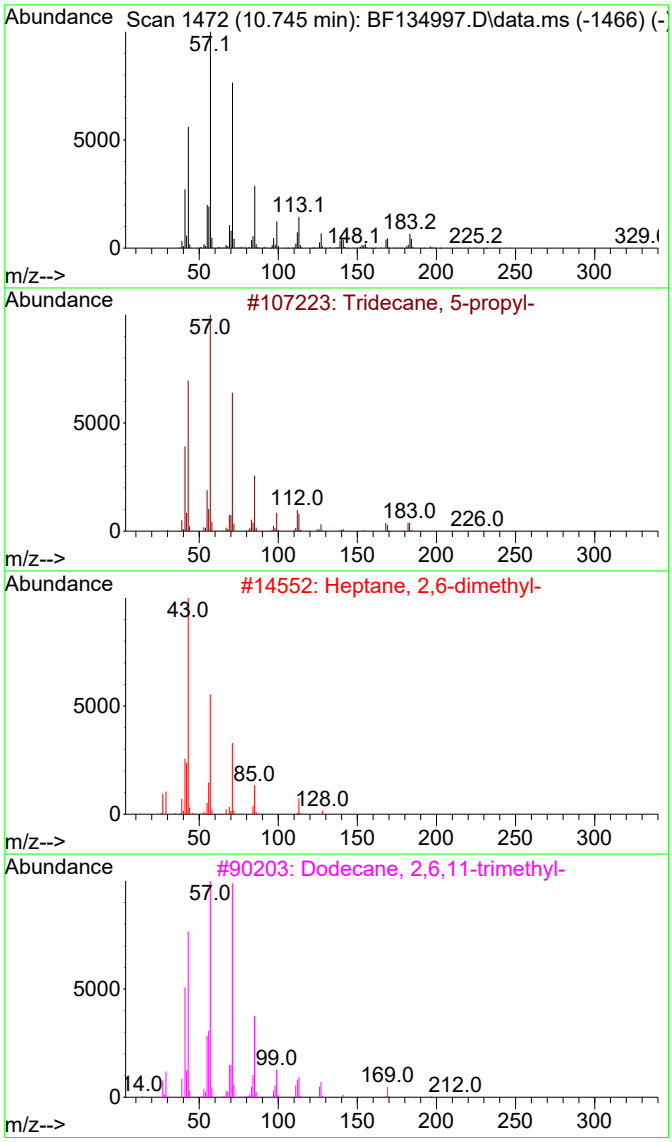
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

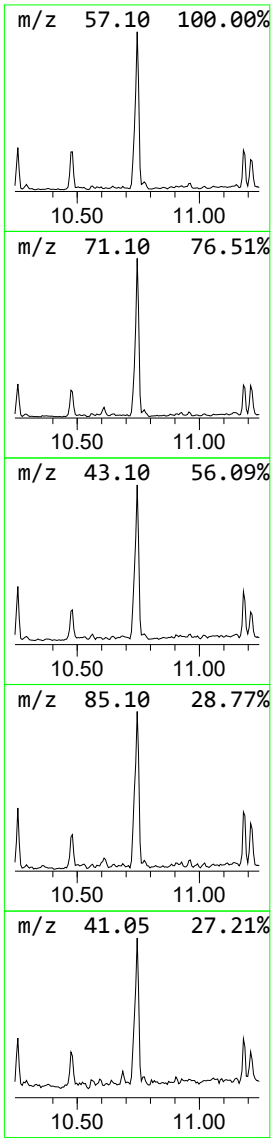
****

Peak Number 1 Tridecane, 5-propyl- Concentration Rank 5

R.T.	EstConc	Area	Relative to ISTD	R.T.
10.745	25.26 ng	1012640	Phenanthrene-d10	11.310

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Tridecane, 5-propyl-	226	C16H34	055045-11-9	93
2	Heptane, 2,6-dimethyl-	128	C9H20	001072-05-5	74
3	Dodecane, 2,6,11-trimethyl-	212	C15H32	031295-56-4	72
4	Dodecane, 2,7,10-trimethyl-	212	C15H32	074645-98-0	72
5	Sulfurous acid, 2-ethylhexyl non...	320	C17H36O3S	1010309-19-2	58





Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF082923\
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Instrument :
BNA_F
ClientSampleId :
TP-28(1.5-2.5)

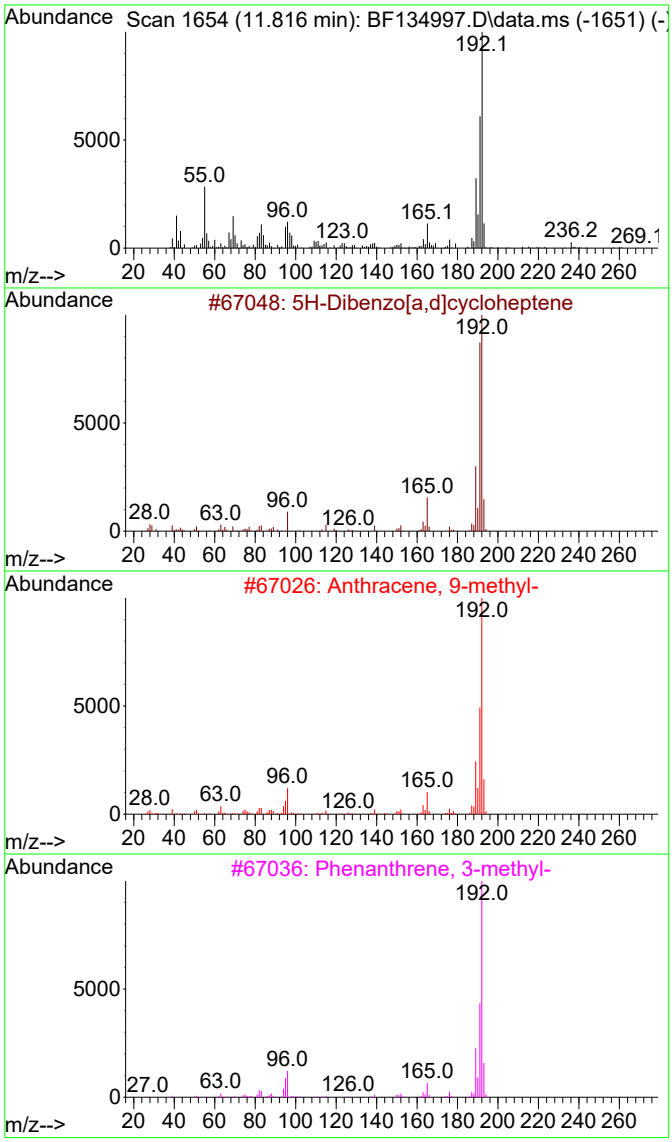
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF082223.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

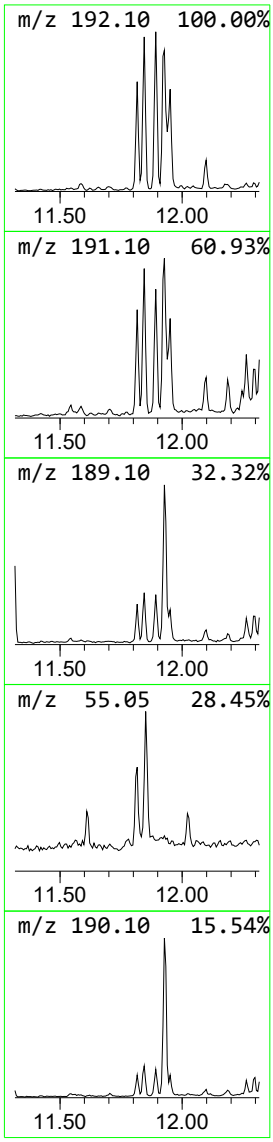
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 2 5H-Dibenzo[a,d]cycloheptene Concentration Rank 20

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.816	7.54 ng	302294	Phenanthrene-d10	11.310

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	5H-Dibenzo[a,d]cycloheptene	192	C15H12	000256-81-5	96
2	Anthracene, 9-methyl-	192	C15H12	000779-02-2	90
3	Phenanthrene, 3-methyl-	192	C15H12	000832-71-3	90
4	Anthracene, 1-methyl-	192	C15H12	000610-48-0	90
5	Anthracene, 2-methyl-	192	C15H12	000613-12-7	90





Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF082923\
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Misc :
ALS Vial : 20 Sample Multiplier: 1

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BNA_F
ClientSampleId :
TP-28(1.5-2.5)

Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF082223.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

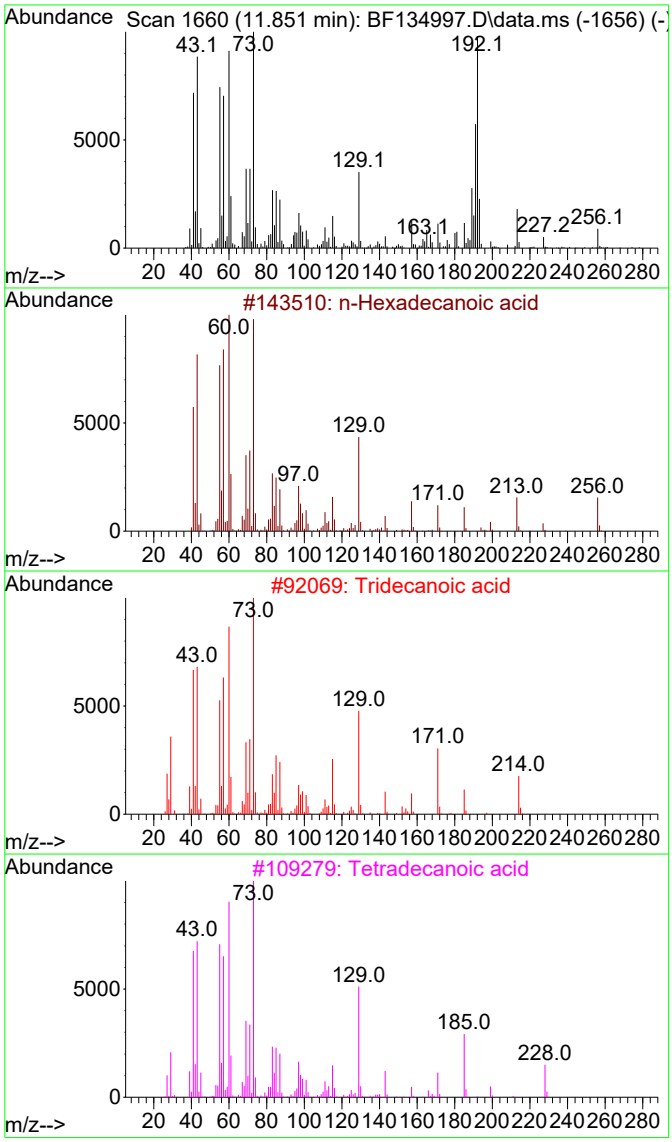
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

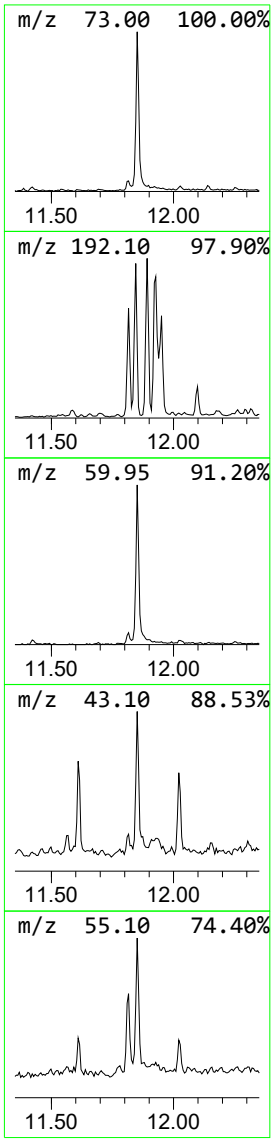
****

Peak Number 3 n-Hexadecanoic acid Concentration Rank 10

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.851	16.47 ng	660070	Phenanthrene-d10	11.310

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	n-Hexadecanoic acid	256	C16H32O2	000057-10-3	97
2	Tridecanoic acid	214	C13H26O2	000638-53-9	95
3	Tetradecanoic acid	228	C14H28O2	000544-63-8	87
4	Phenanthrene, 2-methyl-	192	C15H12	002531-84-2	72
5	Anthracene, 2-methyl-	192	C15H12	000613-12-7	70





Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF082923\
Data File : BF134997.D
Acq On : 29 Aug 2023 22:25
Operator : CG\JU
Sample : 04110-20
Misc :
ALS Vial : 20 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
TP-28(1.5-2.5)

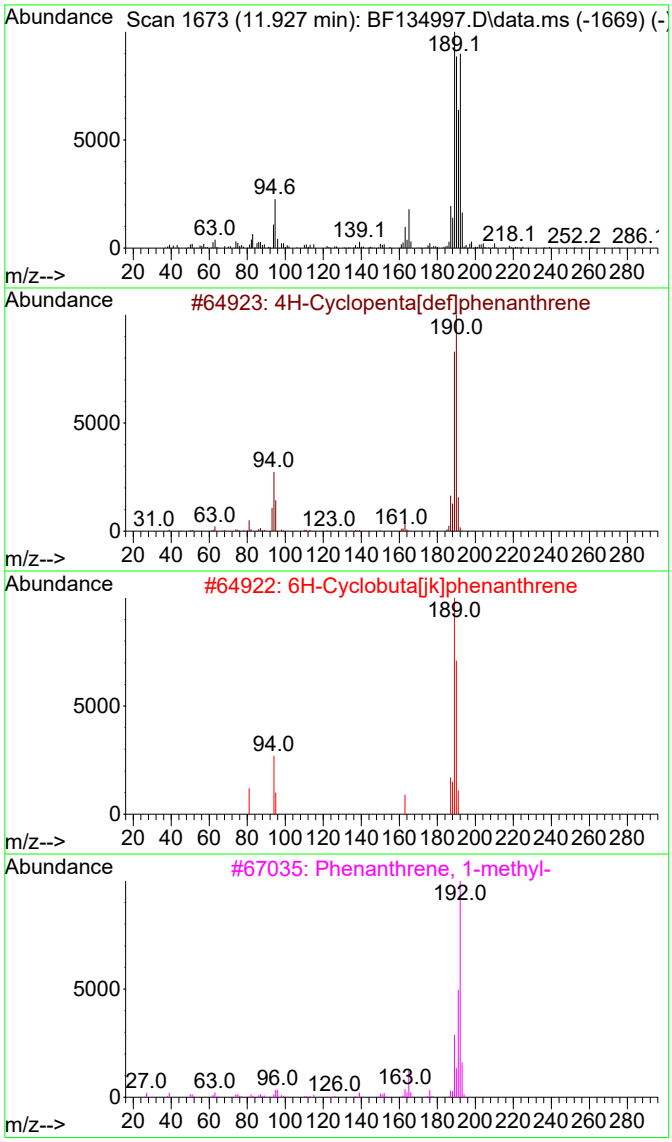
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF082223.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

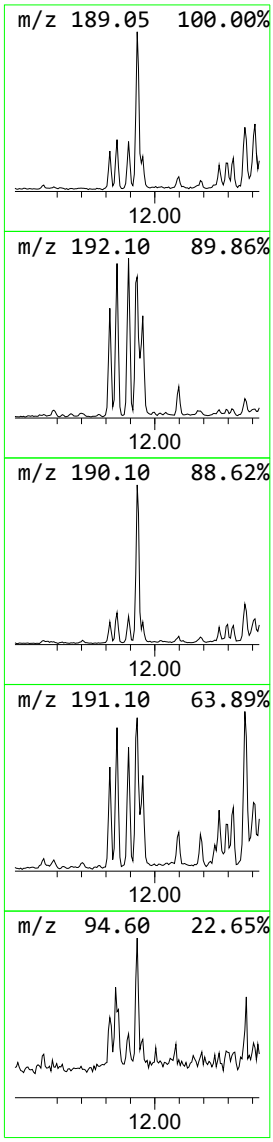
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

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

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.927	14.44 ng	578937	Phenanthrene-d10	11.310

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	4H-Cyclopenta[def]phenanthrene	190	C15H10	000203-64-5	60
2	6H-Cyclobuta[jk]phenanthrene	190	C15H10	083469-43-6	49
3	Phenanthrene, 1-methyl-	192	C15H12	000832-69-9	46
4	1H-Indene, 2-phenyl-	192	C15H12	004505-48-0	42
5	Phenanthrene, 4-methyl-	192	C15H12	000832-64-4	42





Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF082923\
Data File : BF134997.D
Acq On : 29 Aug 2023 22:25
Operator : CG\JU
Sample : 04110-20
Misc :
ALS Vial : 20 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
TP-28(1.5-2.5)

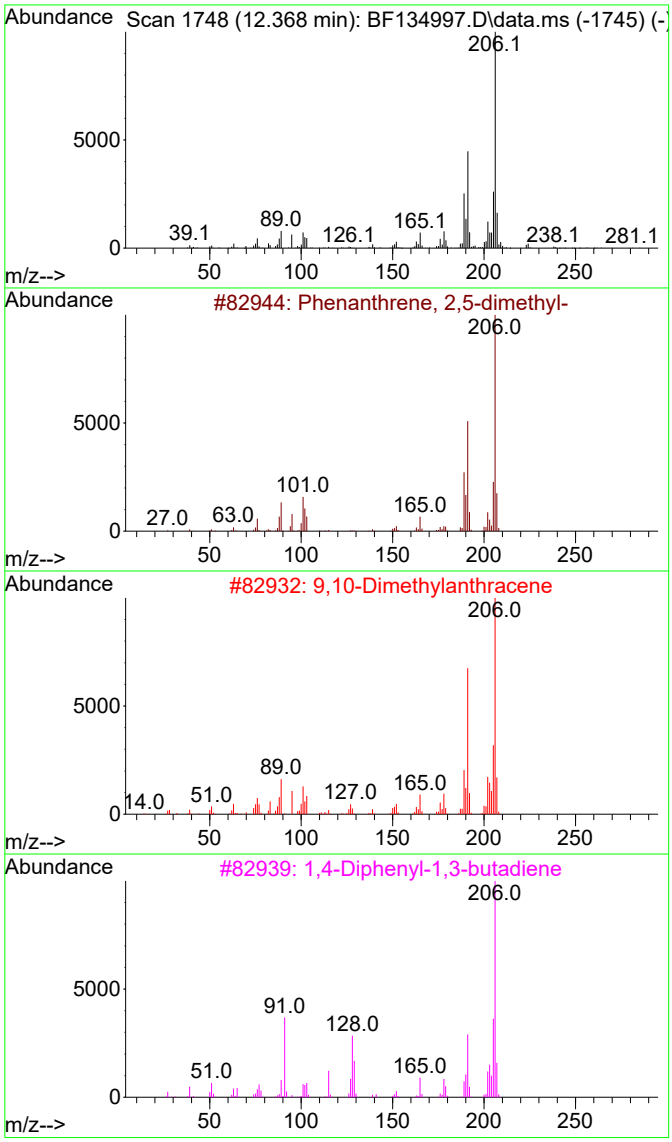
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF082223.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

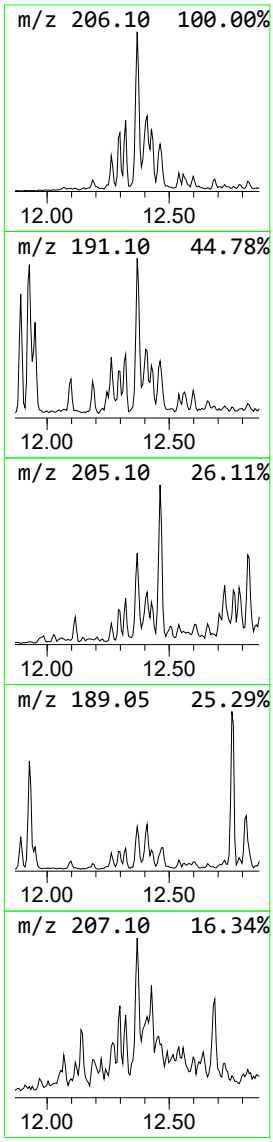
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 5 Phenanthrene, 2,5-dimethyl- Concentration Rank 13

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.368	13.41 ng	537638	Phenanthrene-d10	11.310

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Phenanthrene, 2,5-dimethyl-	206	C16H14	003674-66-6	97
2	9,10-Dimethylanthracene	206	C16H14	000781-43-1	97
3	1,4-Diphenyl-1,3-butadiene	206	C16H14	000886-65-7	94
4	di-p-Tolylacetylene	206	C16H14	002789-88-0	92
5	Phenanthrene, 2,3-dimethyl-	206	C16H14	003674-65-5	91





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Acq On : 29 Aug 2023 22:25
Operator : CG\JU
Sample : 04110-20
Misc :
ALS Vial : 20 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
TP-28(1.5-2.5)

Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF082223.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

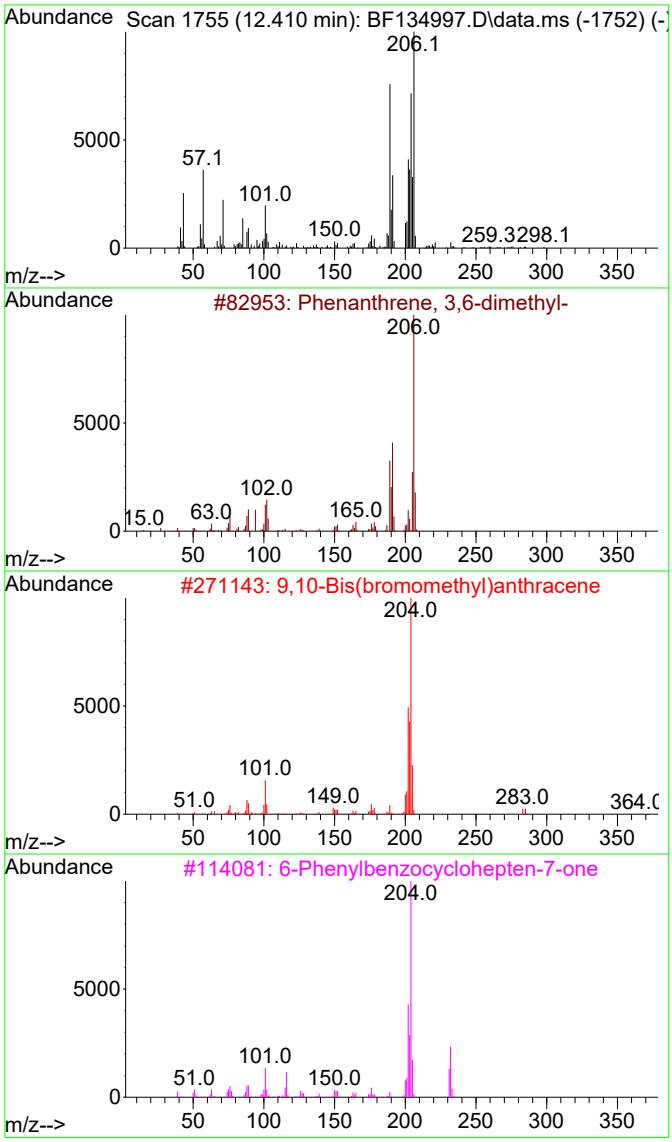
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

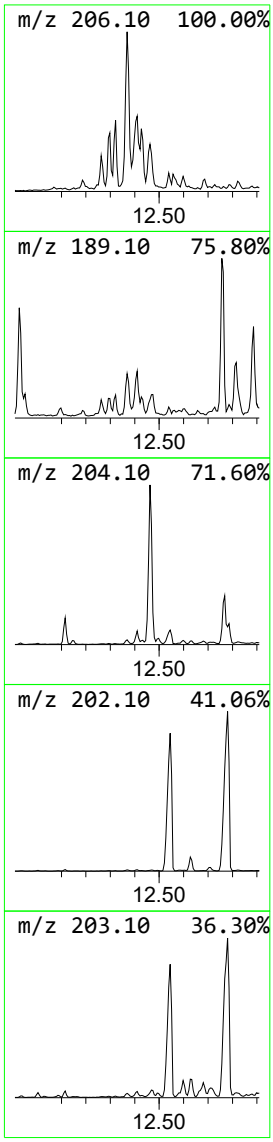
****

Peak Number 6 unknown12.410 Concentration Rank 15

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.410	12.52 ng	501738	Phenanthrene-d10	11.310

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Phenanthrene, 3,6-dimethyl-	206	C16H14	001576-67-6	46
2	9,10-Bis(bromomethyl)anthracene	362	C16H12Br2	034373-96-1	35
3	6-Phenylbenzocyclohepten-7-one	232	C17H12O	093327-56-1	27
4	1,2,4,8-Tetramethylbicyclo[6.3.0...	204	C15H24	137235-51-9	27
5	Naphthalene, 1-phenyl-	204	C16H12	000605-02-7	15





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Operator : CG\JU
Sample : 04110-20
Misc :
ALS Vial : 20 Sample Multiplier: 1

Instrument :
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ClientSampleId :
TP-28(1.5-2.5)

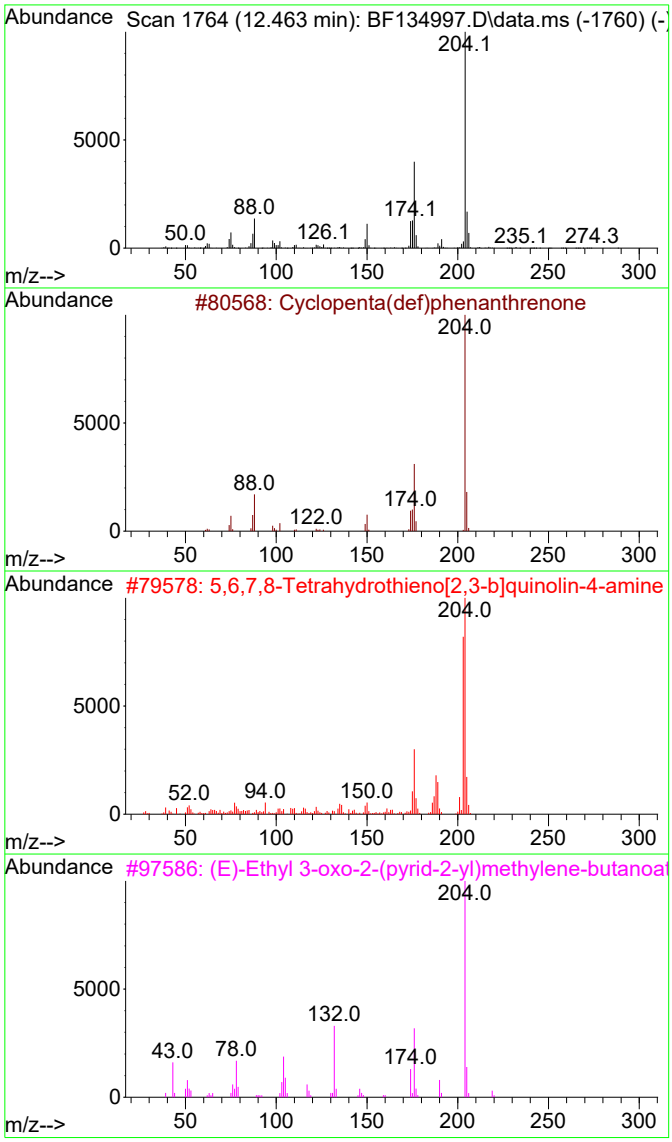
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF082223.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

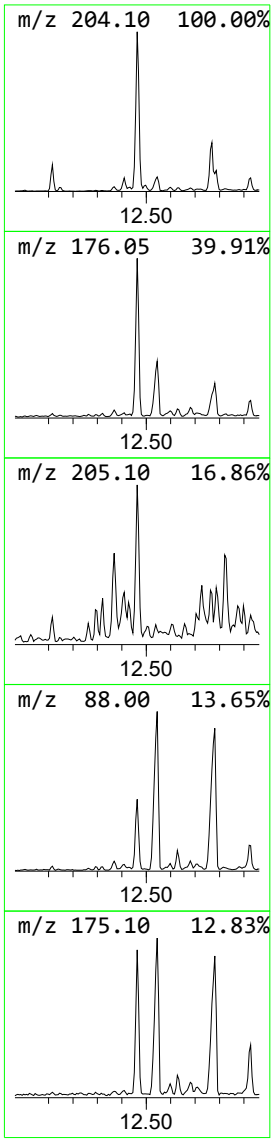
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 7 Cyclopenta(def)phenanthrenone Concentration Rank 4

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.463	26.48 ng	1061390	Phenanthrene-d10	11.310

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Cyclopenta(def)phenanthrenone	204	C15H8O	005737-13-3	95
2	5,6,7,8-Tetrahydrothieno[2,3-b]q...	204	C11H12N2S	122914-50-5	72
3	(E)-Ethyl 3-oxo-2-(pyrid-2-yl)me...	219	C12H13NO3	1000147-59-7	50
4	9-Acridinecarbonitrile	204	C14H8N2	005326-19-2	47
5	Dihydrofuranno(3,2-H)homochromanone	204	C12H12O3	057052-85-4	46





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Operator : CG\JU
Sample : 04110-20
Misc :
ALS Vial : 20 Sample Multiplier: 1

Instrument :
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ClientSampleId :
TP-28(1.5-2.5)

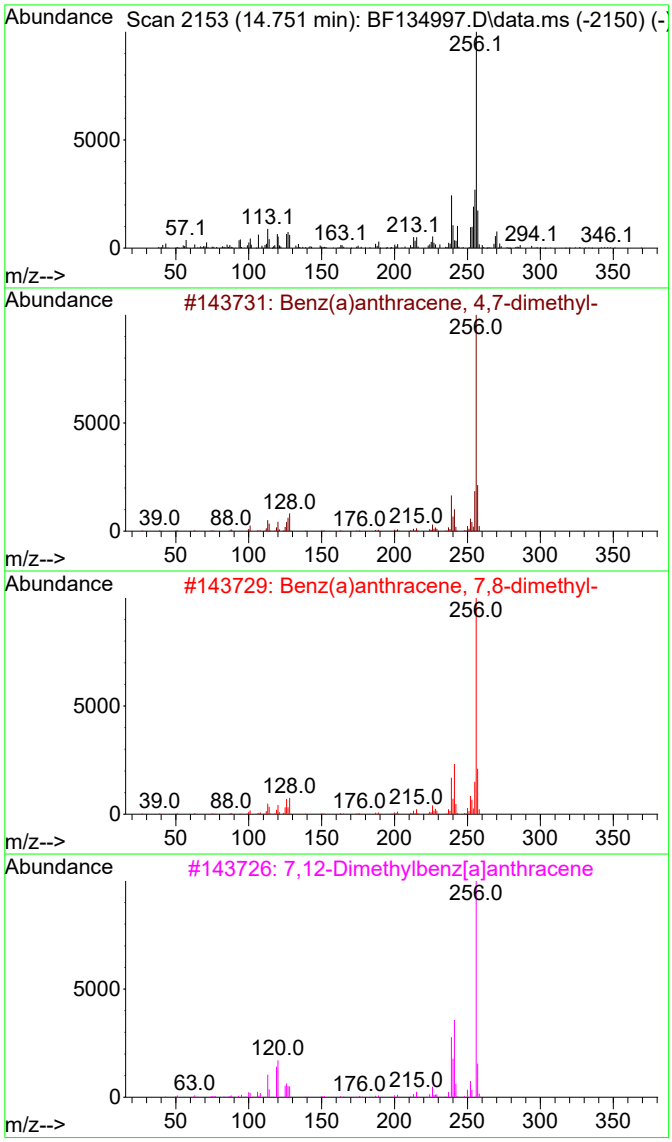
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF082223.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

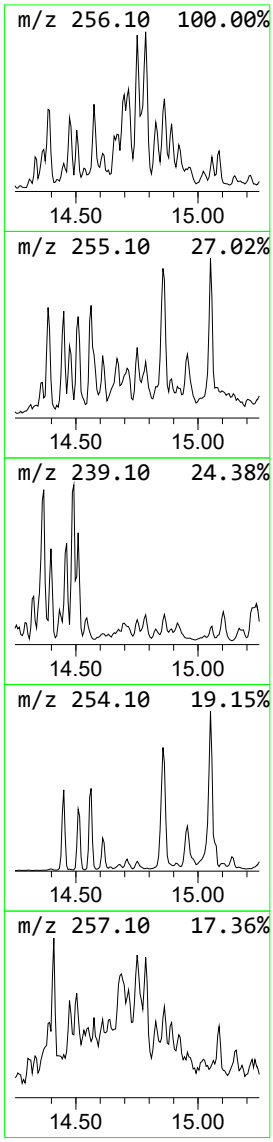
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 9 Benz(a)anthracene, 4,7-dime... Concentration Rank 12

R.T.	EstConc	Area	Relative to ISTD	R.T.
14.751	14.25 ng	431317	Perylene-d12	15.462

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benz(a)anthracene, 4,7-dimethyl-	256	C20H16	035187-18-9	89
2	Benz(a)anthracene, 7,8-dimethyl-	256	C20H16	000604-81-9	86
3	7,12-Dimethylbenz[a]anthracene	256	C20H16	000057-97-6	78
4	Benzene, 1,1',1''-(1-ethenyl-2-y...	256	C20H16	000058-72-0	68
5	Benz(a)anthracene, 6,12-dimethyl-	256	C20H16	000568-81-0	64





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Operator : CG\JU
Sample : 04110-20
Misc :
ALS Vial : 20 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
TP-28(1.5-2.5)

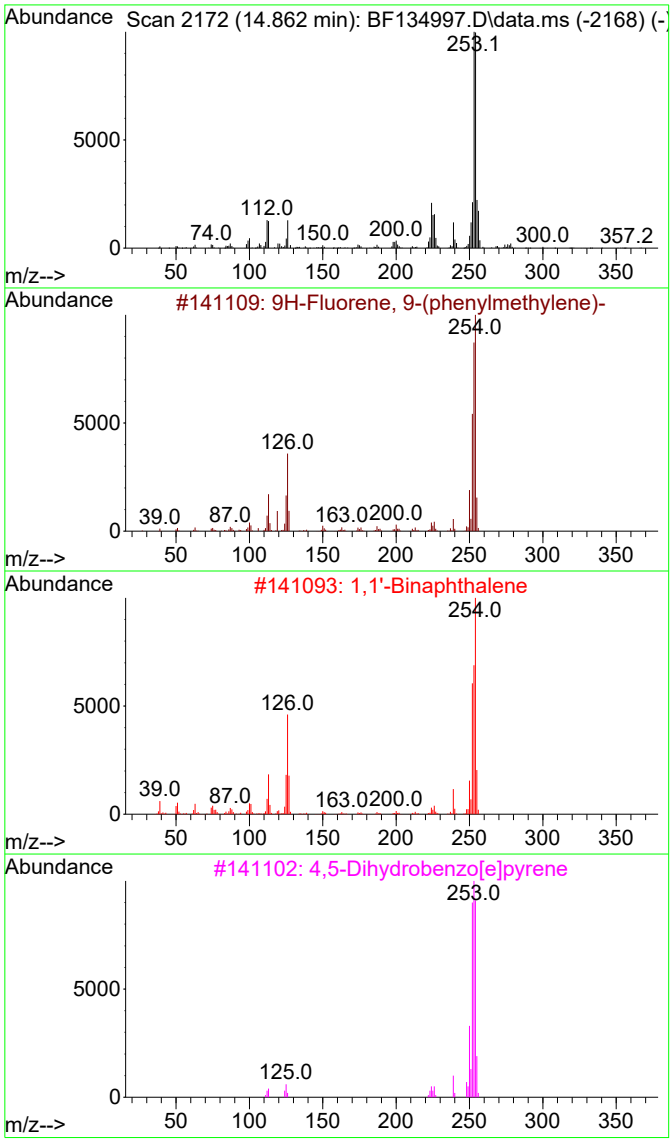
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF082223.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

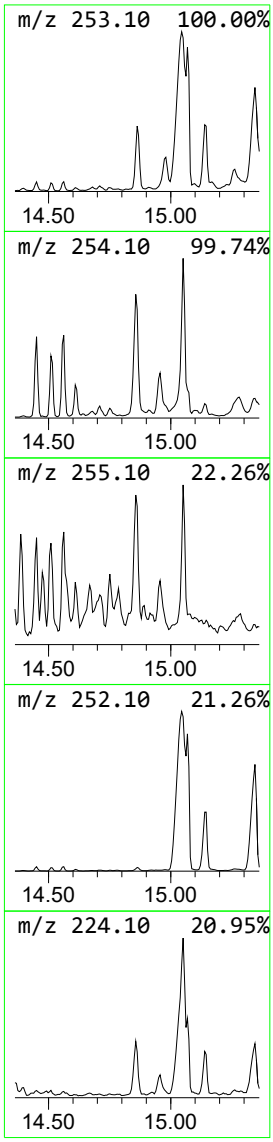
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 10 9H-Fluorene, 9-(phenylmethy... Concentration Rank 6

R.T.	EstConc	Area	Relative to ISTD	R.T.
14.863	25.11 ng	760024	Perylene-d12	15.462

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	9H-Fluorene, 9-(phenylmethylene)-	254	C20H14	001836-87-9	81
2	1,1'-Binaphthalene	254	C20H14	000604-53-5	74
3	4,5-Dihydrobenzo[e]pyrene	254	C20H14	095676-42-9	72
4	9,10[1',2']-Benzenoanthracene, 9...	254	C20H14	000477-75-8	64
5	1,2'-Binaphthalene	254	C20H14	004325-74-0	64





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Operator : CG\JU
Sample : 04110-20
Misc :
ALS Vial : 20 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
TP-28(1.5-2.5)

Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF082223.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

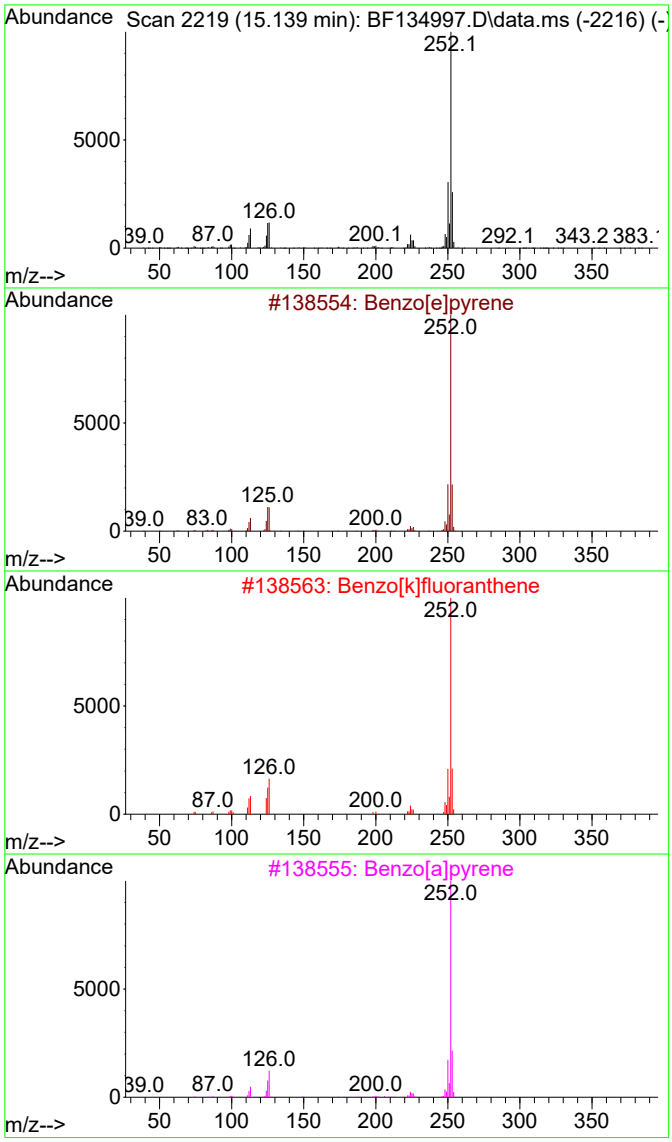
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

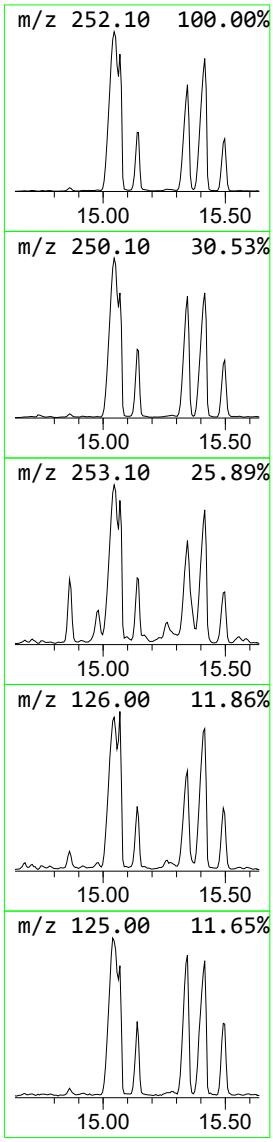
****

Peak Number 11 Benzo[e]pyrene Concentration Rank 2

R.T.	EstConc	Area	Relative to ISTD	R.T.
15.139	49.74 ng	1505710	Perylene-d12	15.462

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzo[e]pyrene	252	C20H12	000192-97-2	98
2	Benzo[k]fluoranthene	252	C20H12	000207-08-9	97
3	Benzo[a]pyrene	252	C20H12	000050-32-8	96
4	Benzo[b]fluoranthene	252	C20H12	000205-99-2	93
5	Perylene	252	C20H12	000198-55-0	93





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Sample : 04110-20
Misc :
ALS Vial : 20 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
TP-28(1.5-2.5)

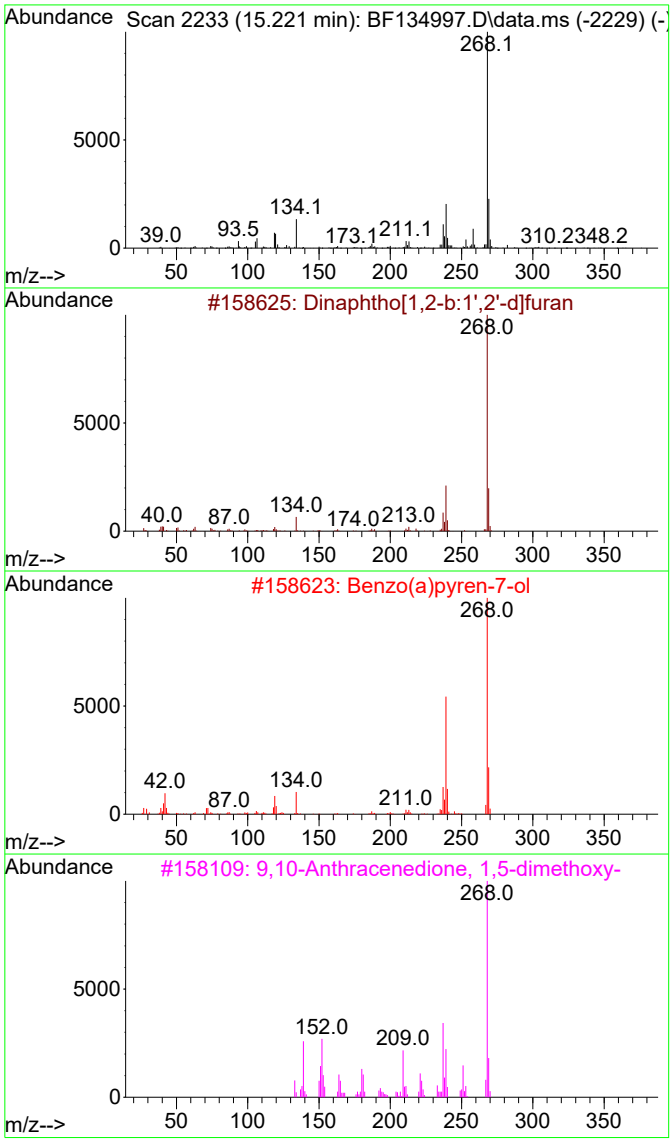
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF082223.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

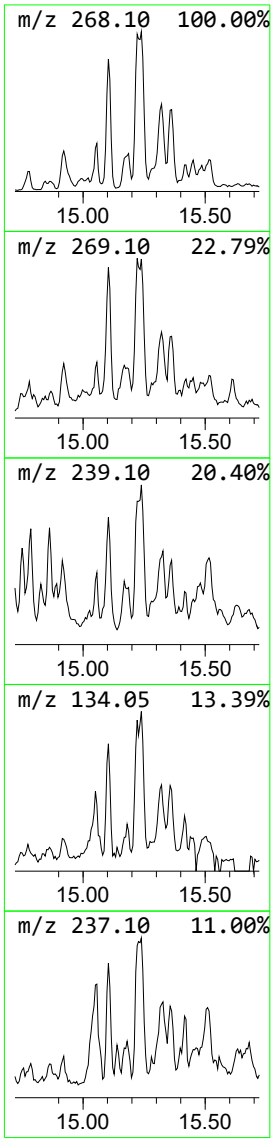
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 12 Dinaphtho[1,2-b:1',2'-d]furan Concentration Rank 14

R.T.	EstConc	Area	Relative to ISTD	R.T.
15.221	13.06 ng	395266	Perylene-d12	15.462

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Dinaphtho[1,2-b:1',2'-d]furan	268	C20H12O	000207-93-2	93
2	Benzo(a)pyren-7-ol	268	C20H12O	037994-82-4	76
3	9,10-Anthracenedione, 1,5-dimeth...	268	C16H12O4	006448-90-4	64
4	Benzo[c]pyren-6,7-diol, 4,5-dihy...	433	C29H23NO3	1000124-59-9	59
5	4H-1-Benzopyran-4-one, 5-hydroxy...	268	C16H12O4	000520-28-5	59





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Operator : CG\JU
Sample : 04110-20
Misc :
ALS Vial : 20 Sample Multiplier: 1

Instrument :
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ClientSampleId :
TP-28(1.5-2.5)

Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF082223.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

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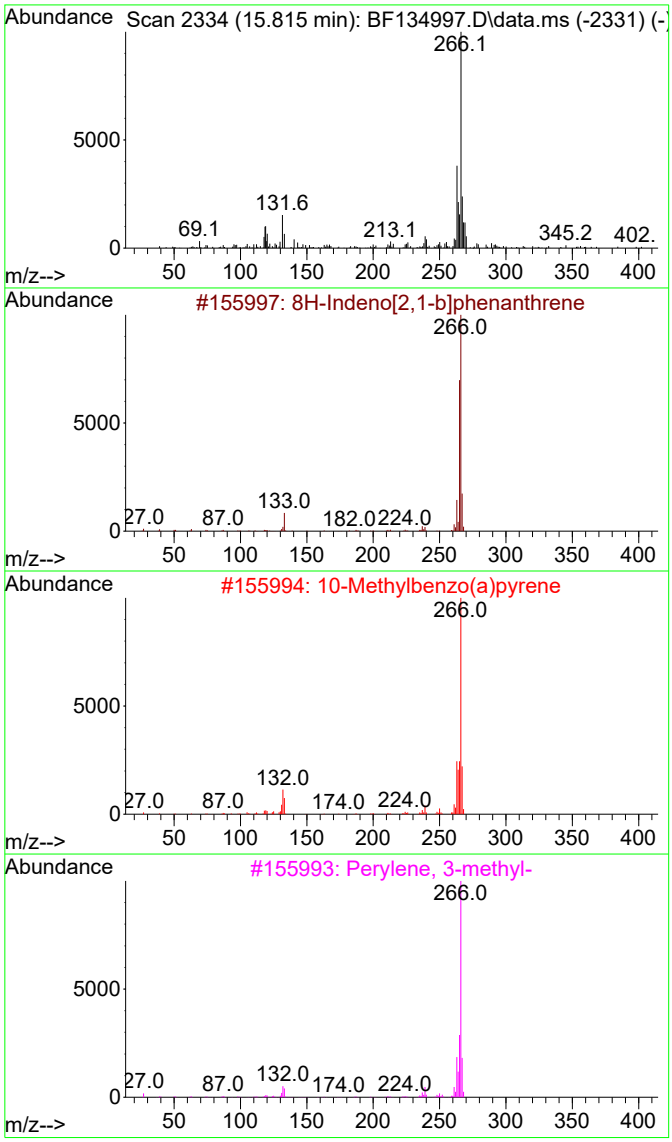
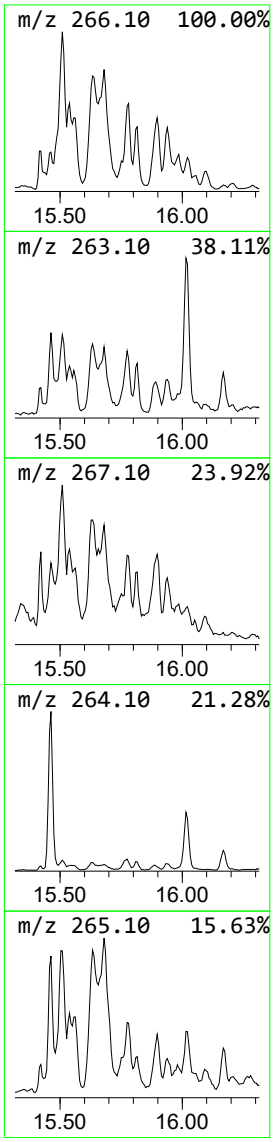
Peak Number 14 unknown15.815 Concentration Rank 19

R.T.	EstConc	Area	Relative to ISTD	R.T.
15.815	9.57 ng	289663	Perylene-d12	15.462

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	8H-Indeno[2,1-b]phenanthrene	266	C21H14	000241-28-1	47
2	10-Methylbenzo(a)pyrene	266	C21H14	063104-32-5	46
3	Perylene, 3-methyl-	266	C21H14	024471-47-4	46
4	Conocarpan	266	C18H18O2	056319-02-9	46
5	5,6,7,8-Tetrahydro-3-methyl-2-(m...	266	C12H14N2OS2	051486-17-0	43





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ClientSampleId :
TP-28(1.5-2.5)

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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

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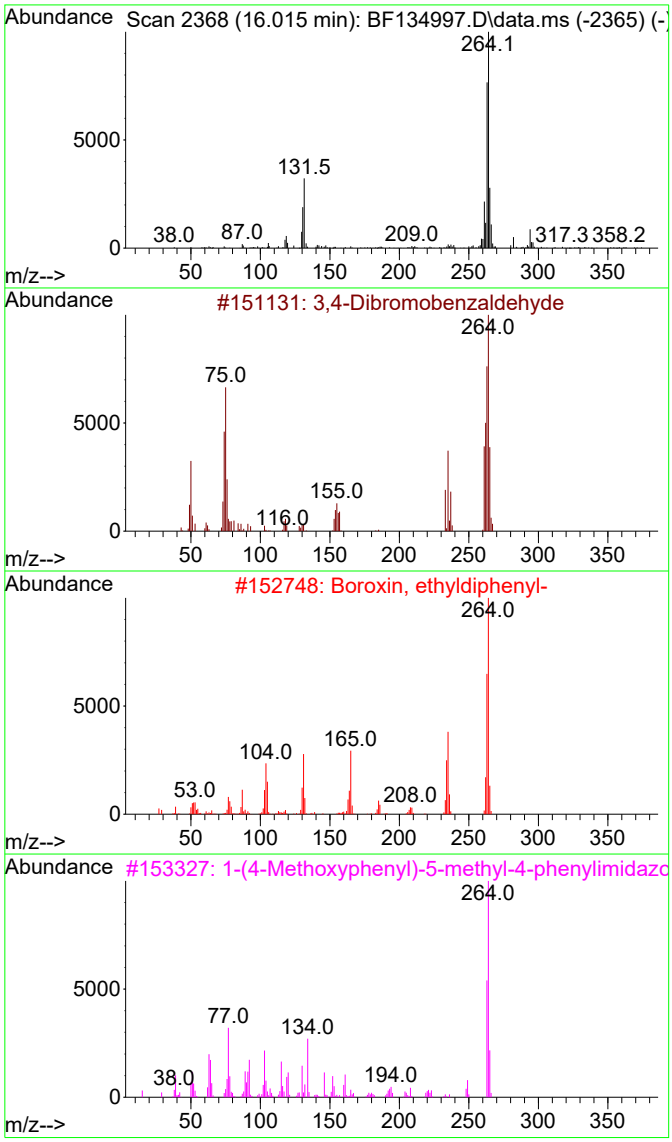
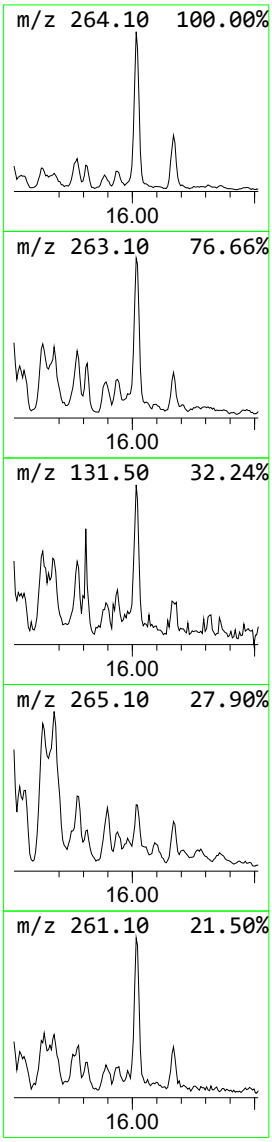
Peak Number 15 3,4-Dibromobenzaldehyde Concentration Rank 18

R.T.	EstConc	Area	Relative to ISTD	R.T.
16.015	9.93 ng	300447	Perylene-d12	15.462

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	3,4-Dibromobenzaldehyde	262	C7H4Br2O	074003-55-7	64
2	Boroxin, ethyldiphenyl-	264	C14H15B3O3	1000151-82-0	59
3	1-(4-Methoxyphenyl)-5-methyl-4-p...	264	C17H16N2O	1000436-38-1	40
4	Allyl(2,3-dihydro-1H-benzo[4,5]i...	264	C16H16N4	1000322-09-2	40
5	1H-Pyrazole-4-carbonitrile, 3-(4...	263	C12H10ClN3S	068364-67-0	35





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ALS Vial : 20 Sample Multiplier: 1

Instrument :
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ClientSampleId :
TP-28(1.5-2.5)

Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF082223.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

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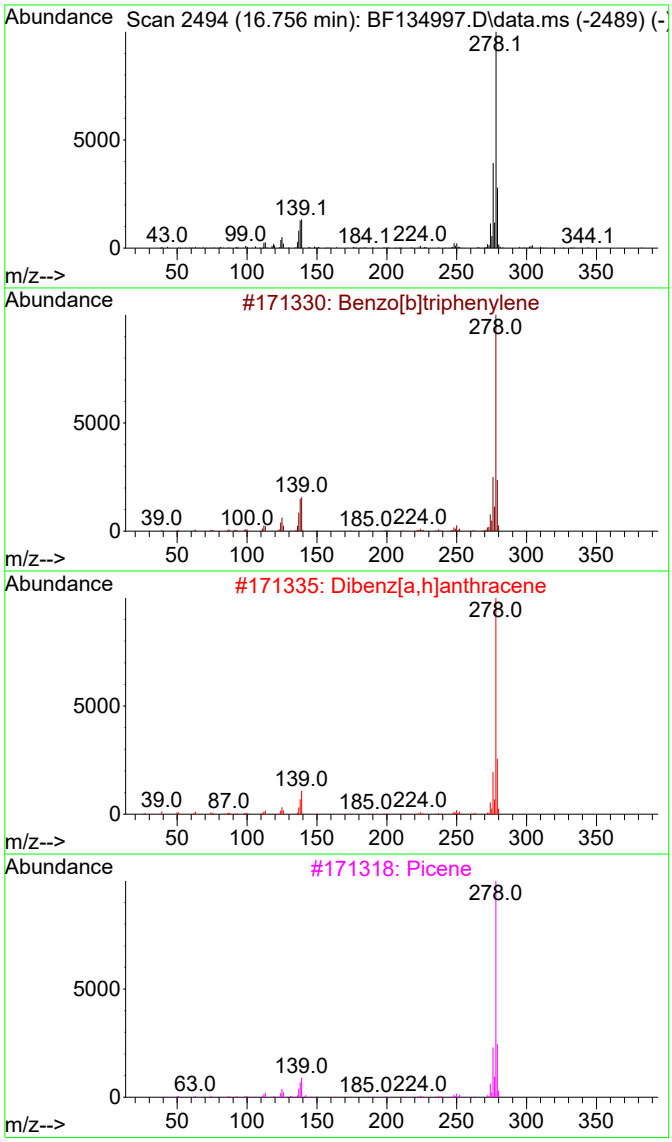
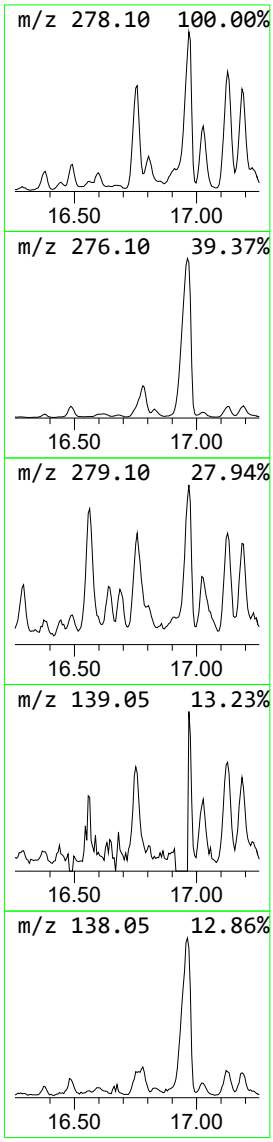
Peak Number 16 Benzo[b]triphenylene Concentration Rank 17

R.T.	EstConc	Area	Relative to ISTD	R.T.
16.756	10.44 ng	315937	Perylene-d12	15.462

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzo[b]triphenylene	278	C22H14	000215-58-7	86
2	Dibenz[a,h]anthracene	278	C22H14	000053-70-3	86
3	Picene	278	C22H14	000213-46-7	86
4	Benzo[b]chrysene	278	C22H14	000214-17-5	83
5	Pentaphene	278	C22H14	000222-93-5	70





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ALS Vial : 20 Sample Multiplier: 1

Instrument :
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ClientSampleId :
TP-28(1.5-2.5)

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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

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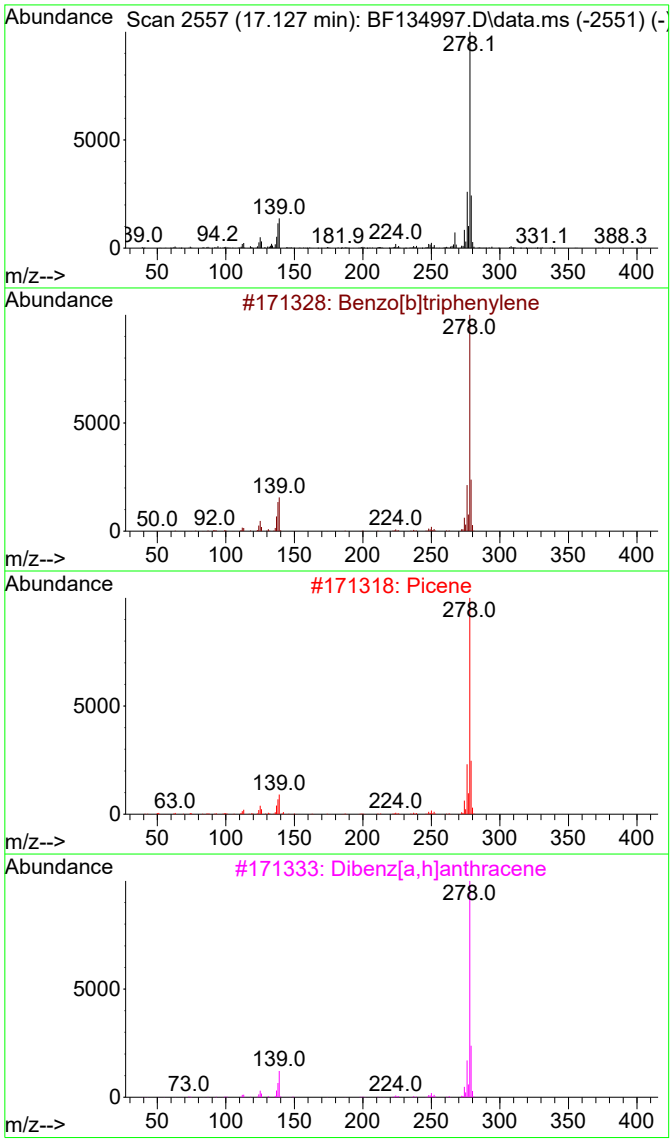
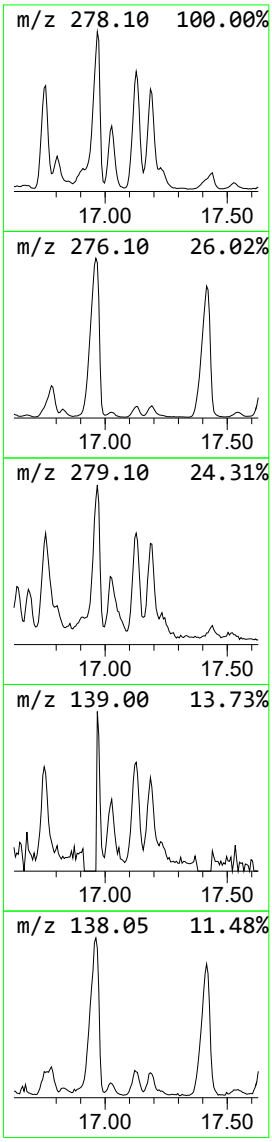
Peak Number 17 Picene Concentration Rank 7

R.T.	EstConc	Area	Relative to ISTD	R.T.
17.127	20.37 ng	616712	Perylene-d12	15.462

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzo[b]triphenylene	278	C22H14	000215-58-7	98
2	Picene	278	C22H14	000213-46-7	98
3	Dibenz[a,h]anthracene	278	C22H14	000053-70-3	98
4	Pentaphene	278	C22H14	000222-93-5	97
5	Benzo[b]chrysene	278	C22H14	000214-17-5	97





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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

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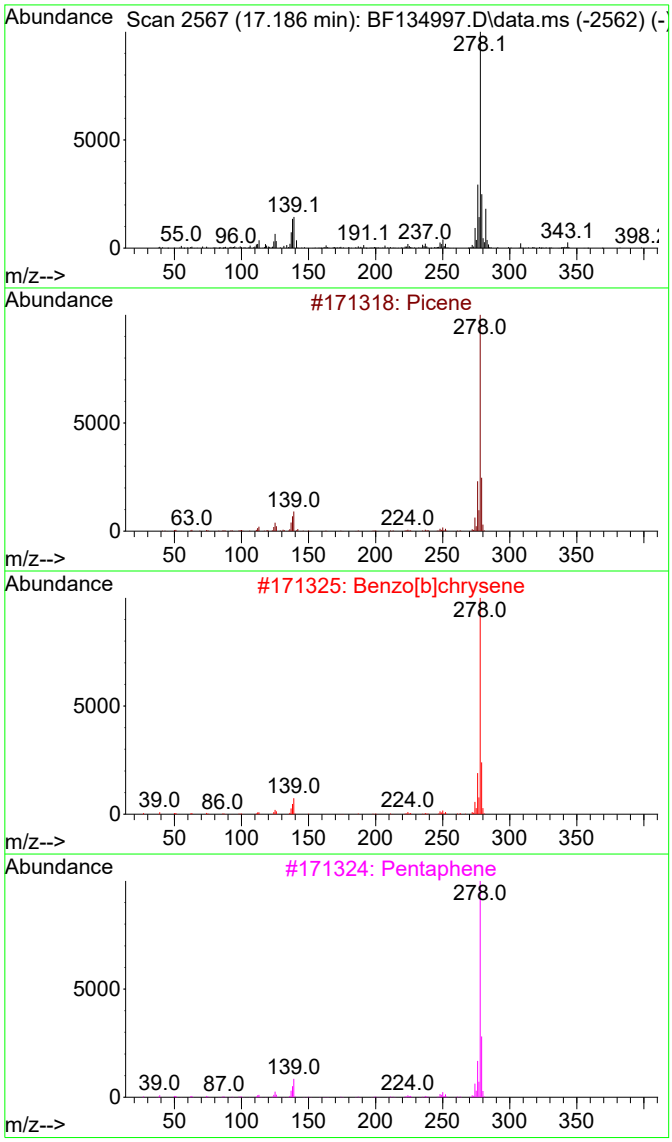
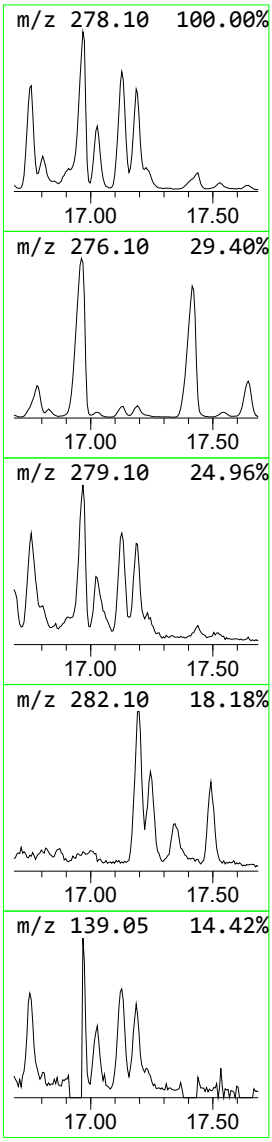
Peak Number 18 Benzo[b]chrysene Concentration Rank 9

R.T.	EstConc	Area	Relative to ISTD	R.T.
17.186	16.79 ng	508313	Perylene-d12	15.462

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Picene	278	C22H14	000213-46-7	97
2	Benzo[b]chrysene	278	C22H14	000214-17-5	97
3	Pentaphene	278	C22H14	000222-93-5	96
4	Benzo[a]naphthacene	278	C22H14	000226-88-0	96
5	Dibenz[a,h]anthracene	278	C22H14	000053-70-3	95





Tentatively Identified Compound (LSC) summary

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF082923\
Data File : BF134997.D
Acq On : 29 Aug 2023 22:25
Operator : CG\JU
Sample : 04110-20
Misc :
ALS Vial : 20 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
TP-28(1.5-2.5)

Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF082223.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

					--Internal Standard---			
TIC Top Hit name	RT	EstConc	Units	Response	#	RT	Resp	Conc
Tridecane, 5-pr...	10.745	25.3	ng	1012640	4	11.310	801772	20.0
5H-Dibenzo[a,d]...	11.816	7.5	ng	302294	4	11.310	801772	20.0
n-Hexadecanoic ...	11.851	16.5	ng	660070	4	11.310	801772	20.0
4H-Cyclopenta[d...	11.927	14.4	ng	578937	4	11.310	801772	20.0
Phenanthrene, 2...	12.368	13.4	ng	537638	4	11.310	801772	20.0
unknown12.410	12.410	12.5	ng	501738	4	11.310	801772	20.0
Cyclopenta(def)...	12.463	26.5	ng	1061390	4	11.310	801772	20.0
Benz(a)anthrace...	14.751	14.3	ng	431317	6	15.462	605373	20.0
9H-Fluorene, 9-...	14.863	25.1	ng	760024	6	15.462	605373	20.0
Benzo[e]pyrene	15.139	49.7	ng	1505710	6	15.462	605373	20.0
Dinaphtho[1,2-b...	15.221	13.1	ng	395266	6	15.462	605373	20.0
unknown15.815	15.815	9.6	ng	289663	6	15.462	605373	20.0
3,4-Dibromobenz...	16.015	9.9	ng	300447	6	15.462	605373	20.0
Benzo[b]triphen...	16.756	10.4	ng	315937	6	15.462	605373	20.0
Picene	17.127	20.4	ng	616712	6	15.462	605373	20.0
Benzo[b]chrysene	17.186	16.8	ng	508313	6	15.462	605373	20.0