LSC Area Percent Report

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF063025\
Data File : BF142939.D
Acq On : 01 Jul 2025 03:14
Operator : RC/JU
Sample : Q2457-01 5X
Misc :
ALS Vial : 25 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
OK-2-062725

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-BF061925.M
Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

Signal : TIC: BF142939.D\data.ms

peak #	R.T. min	first scan	max scan	last scan	PK TY	peak height	corr. area	corr. % max.	% of total
1	2.304	15	19	25	rVB	6777	10133	1.35%	0.174%
2	5.075	485	490	499	rBB	9204	13815	1.84%	0.237%
3	5.487	555	560	570	rBV	104434	145914	19.39%	2.501%
4	6.498	727	732	755	rBB	105834	142830	18.98%	2.448%
5	6.869	791	795	806	rVB	229502	295600	39.28%	5.066%
6	7.433	886	891	902	rBV	66497	87908	11.68%	1.506%
7	8.157	1009	1014	1022	rBV	281948	345925	45.96%	5.928%
8	9.227	1192	1196	1203	rBV	142333	177925	23.64%	3.049%
9	9.774	1285	1289	1293	rBV	16239	19818	2.63%	0.340%
10	9.910	1307	1312	1317	rBV	260612	333893	44.37%	5.722%
11	10.333	1378	1384	1387	rBV4	4347	8045	1.07%	0.138%
12	10.463	1402	1406	1412	rVB3	5287	8607	1.14%	0.147%
13	10.621	1430	1433	1441	rVB	10061	14190	1.89%	0.243%
14	10.704	1442	1447	1453	rBV	61829	80320	10.67%	1.376%
15	10.821	1461	1467	1473	rBV3	6736	12365	1.64%	0.212%
16	11.257	1537	1541	1544	rVV3	5606	8255	1.10%	0.141%
17	11.298	1544	1548	1552	rVB3	6596	11018	1.46%	0.189%
18	11.404	1561	1566	1575	rBV2	240167	381487	50.69%	6.538%
19	11.480	1575	1579	1582	rVV	10801	12721	1.69%	0.218%
20	11.686	1610	1614	1619	rVB3	5680	8200	1.09%	0.141%
21	11.733	1619	1622	1627	rVB	7812	9975	1.33%	0.171%
22	11.927	1653	1655	1661	rVB	30650	40253	5.35%	0.690%
23	12.016	1666	1670	1679	rVB2	38737	75619	10.05%	1.296%
24	12.098	1679	1684	1688	rBV5	7763	12625	1.68%	0.216%
25	12.198	1697	1701	1704	rBV	11645	16343	2.17%	0.280%
26	12.227	1704	1706	1712	rVB3	10870	13705	1.82%	0.235%
27	12.351	1720	1727	1729	rBV6	8552	16317	2.17%	0.280%
28	12.380	1729	1732	1734	rBV	8289	8599	1.14%	0.147%
29	12.457	1740	1745	1747	rBV	31497	48575	6.45%	0.832%
30	12.486	1747	1750	1756	rVV6	33009	65927	8.76%	1.130%
31	12.545	1756	1760	1764	rVV	28516	38927	5.17%	0.667%
32	12.615	1768	1772	1777	rVB	207564	259150	34.43%	4.441%
33	12.715	1786	1789	1792	rBV	11604	11379	1.51%	0.195%
34	12.768	1796	1798	1805	rVB4	10127	14592	1.94%	0.250%
35	12.845	1805	1811	1818	rBV	233301	351320	46.68%	6.021%
36	12.904	1818	1821	1825	rVB2	18829	23730	3.15%	0.407%

LSC Area Percent Report

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF063025\
Data File : BF142939.D
Acq On : 01 Jul 2025 03:14
Operator : RC/JU
Sample : Q2457-01 5X
Misc :
ALS Vial : 25 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
OK-2-062725

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-BF061925.M
Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

37	12.986	1825	1835	1843	rBV	159116	249852	33.20%	4.282%
38	13.063	1843	1848	1855	rBV2	31935	63799	8.48%	1.093%
39	13.168	1860	1866	1871	rVB	34739	73046	9.71%	1.252%
40	13.215	1871	1874	1876	rBV2	11235	15725	2.09%	0.269%
41	13.239	1876	1878	1881	rVB2	11901	11982	1.59%	0.205%
42	13.280	1881	1885	1889	rBV2	36682	48175	6.40%	0.826%
43	13.374	1897	1901	1903	rBV	24594	29512	3.92%	0.506%
44	13.404	1903	1906	1910	rVB	20681	24390	3.24%	0.418%
45	13.557	1929	1932	1935	rBV2	11256	17251	2.29%	0.296%
46	13.686	1951	1954	1958	rVB	28202	37068	4.93%	0.635%
47	13.798	1968	1973	1975	rBV3	29751	47920	6.37%	0.821%
48	13.892	1986	1989	1997	rVB2	37474	61771	8.21%	1.059%
49	14.045	2009	2015	2026	rBV2	372369	752586	100.00%	12.897%
50	14.139	2027	2031	2036	rBV2	68499	110710	14.71%	1.897%
51	14.198	2038	2041	2049	rVB7	28878	49656	6.60%	0.851%
52	15.104	2190	2195	2203	rBV	139931	306497	40.73%	5.253%
53	15.409	2244	2247	2253	rVB	69083	107299	14.26%	1.839%
54	15.474	2254	2258	2264	rVV	107292	172430	22.91%	2.955%
55	15.539	2264	2269	2286	rVB2	175845	360795	47.94%	6.183%
56	17.045	2520	2525	2533	rVB2	41909	86384	11.48%	1.480%
57	17.503	2597	2603	2611	rBV	37069	82403	10.95%	1.412%

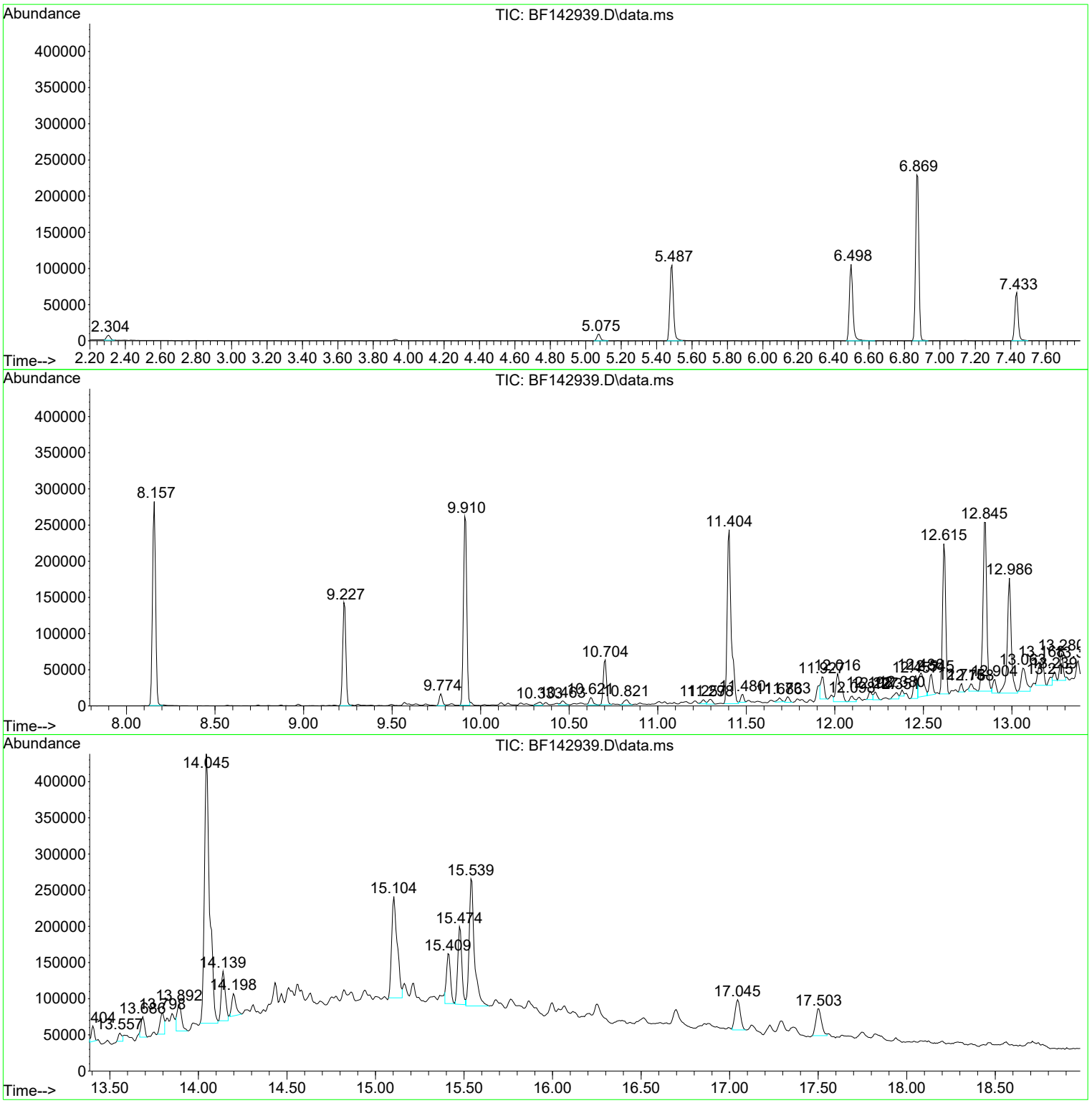
Sum of corrected areas: 5835256

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF063025\
Data File : BF142939.D
Acq On : 01 Jul 2025 03:14
Operator : RC/JU
Sample : Q2457-01 5X
Misc :
ALS Vial : 25 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
OK-2-062725

Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF061925.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\BF063025\
Data File : BF142939.D
Acq On : 01 Jul 2025 03:14
Operator : RC/JU
Sample : Q2457-01 5X
Misc :
ALS Vial : 25 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
OK-2-062725

Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF061925.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

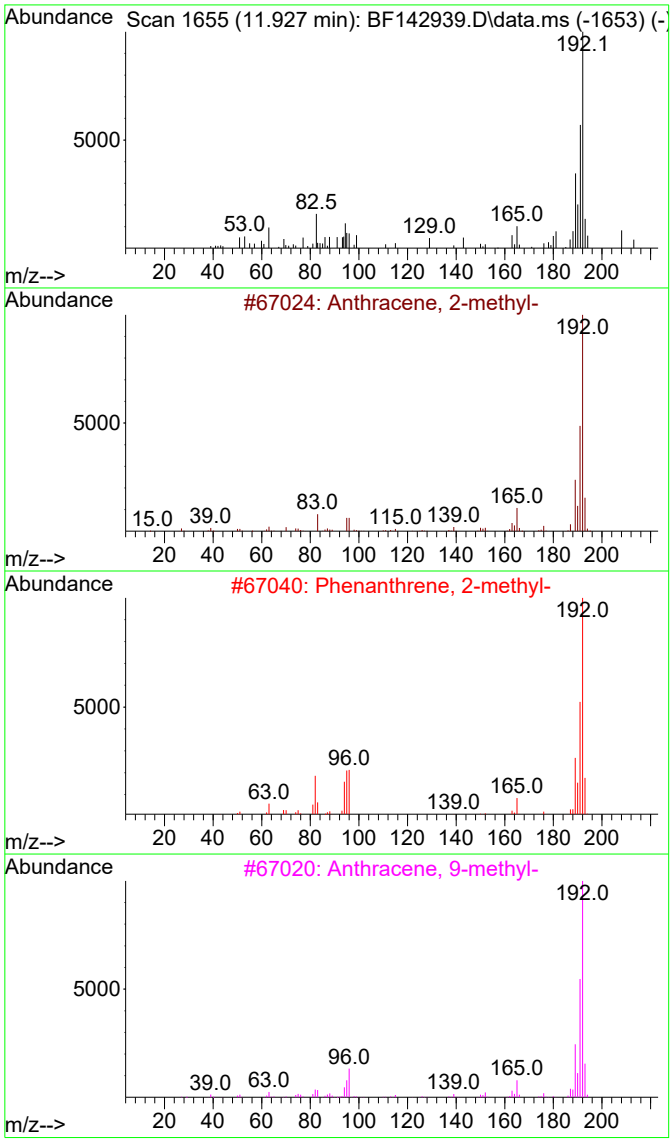
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

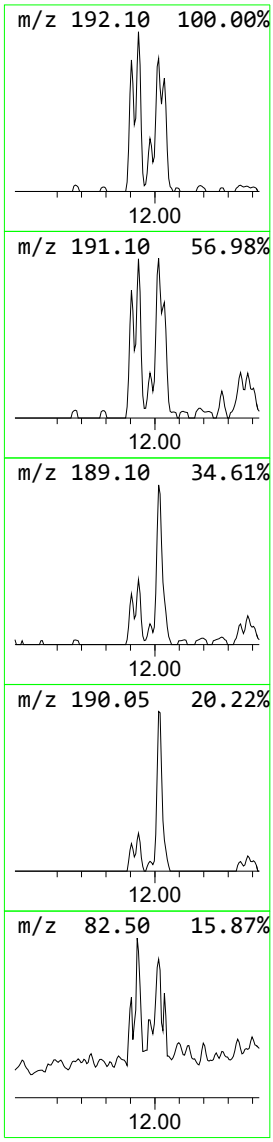
****

Peak Number 1 Anthracene, 2-methyl- Concentration Rank 6

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.927	2.11 ng	40253	Phenanthrene-d10	11.404

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Anthracene, 2-methyl-	192	C15H12	000613-12-7	89
2	Phenanthrene, 2-methyl-	192	C15H12	002531-84-2	89
3	Anthracene, 9-methyl-	192	C15H12	000779-02-2	76
4	Phenanthrene, 4-methyl-	192	C15H12	000832-64-4	70
5	1H-Cyclopropa[l]phenanthrene,1a,...	192	C15H12	000949-41-7	70





Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF063025\
Data File : BF142939.D
Acq On : 01 Jul 2025 03:14
Operator : RC/JU
Sample : Q2457-01 5X
Misc :
ALS Vial : 25 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
OK-2-062725

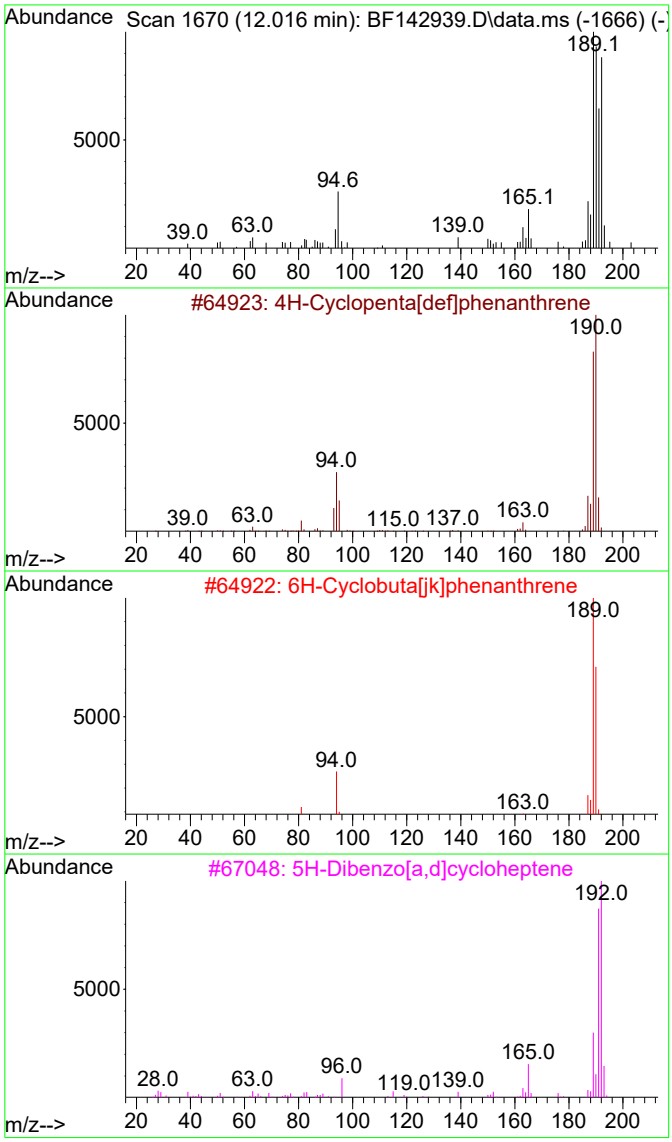
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF061925.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

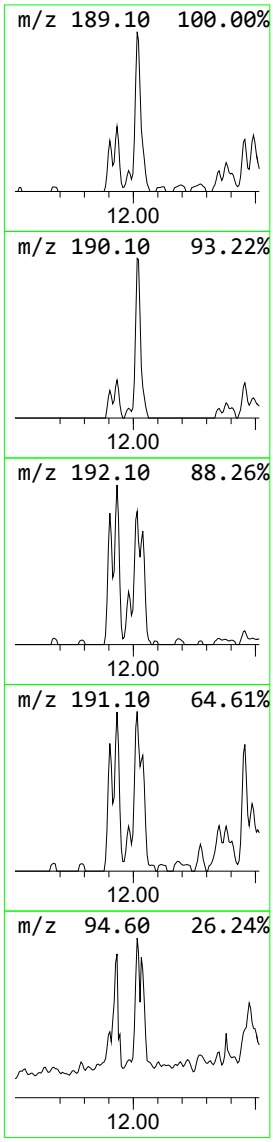
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 2 4H-Cyclopenta[def]phenanthrene Concentration Rank 2

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.015	3.96 ng	75619	Phenanthrene-d10	11.404

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	4H-Cyclopenta[def]phenanthrene	190	C15H10	000203-64-5	50
2	6H-Cyclobuta[jk]phenanthrene	190	C15H10	083469-43-6	49
3	5H-Dibenzo[a,d]cycloheptene	192	C15H12	000256-81-5	42
4	3-Bromo-5-fluoro-2-pyridinylamine	190	C5H4BrFN2	869557-43-7	38
5	Phenanthrene, 1-methyl-	192	C15H12	000832-69-9	38





Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF063025\
Data File : BF142939.D
Acq On : 01 Jul 2025 03:14
Operator : RC/JU
Sample : Q2457-01 5X
Misc :
ALS Vial : 25 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
OK-2-062725

Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF061925.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

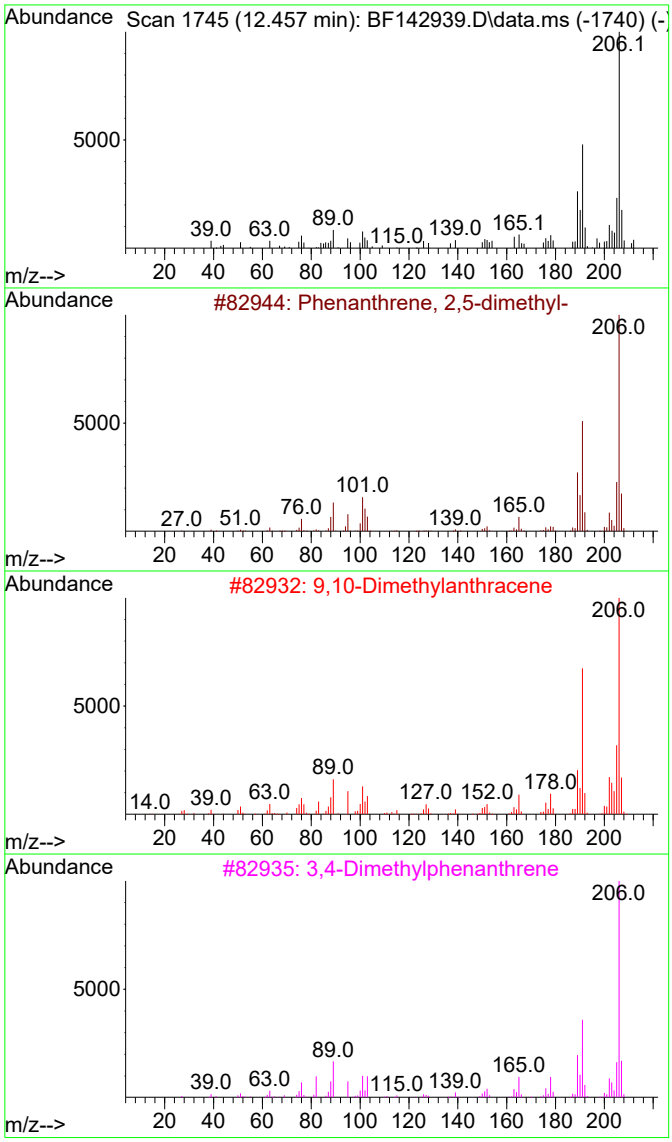
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

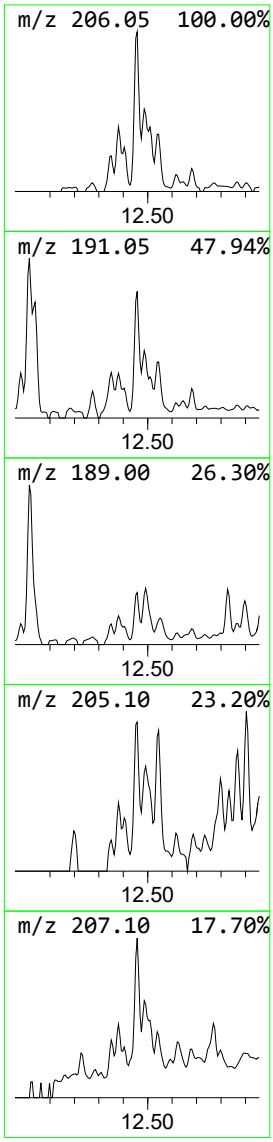
****

Peak Number 3 Phenanthrene, 2,5-dimethyl- Concentration Rank 5

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.457	2.55 ng	48575	Phenanthrene-d10	11.404

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Phenanthrene, 2,5-dimethyl-	206	C16H14	003674-66-6	95
2	9,10-Dimethylanthracene	206	C16H14	000781-43-1	94
3	3,4-Dimethylphenanthrene	206	C16H14	1000452-24-5	93
4	Phenanthrene, 3,6-dimethyl-	206	C16H14	001576-67-6	87
5	di-p-Tolylacetylene	206	C16H14	002789-88-0	87





Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF063025\
Data File : BF142939.D
Acq On : 01 Jul 2025 03:14
Operator : RC/JU
Sample : Q2457-01 5X
Misc :
ALS Vial : 25 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
OK-2-062725

Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF061925.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

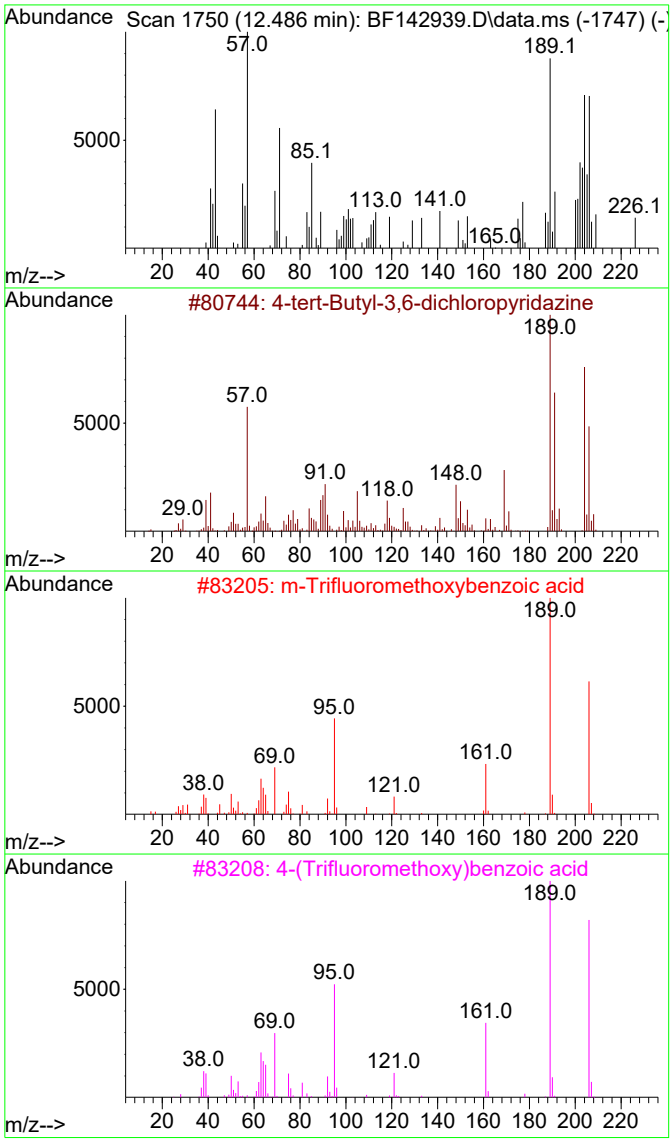
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

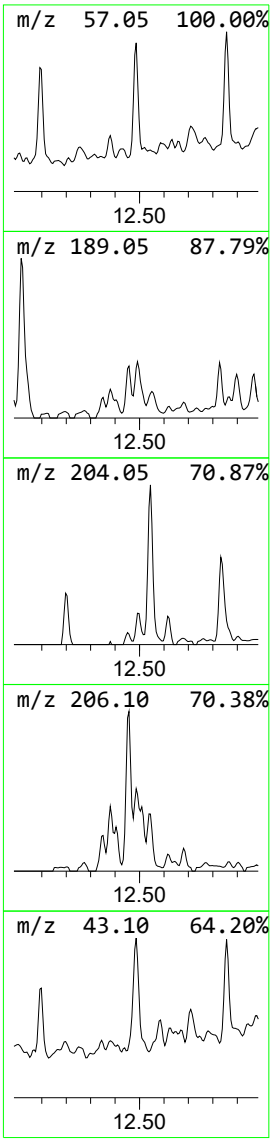
****

Peak Number 4 unknown12.486 Concentration Rank 3

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.486	3.46 ng	65927	Phenanthrene-d10	11.404

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	4-tert-Butyl-3,6-dichloropyridazine	204	C8H10Cl2N2	022808-29-3	35
2	m-Trifluoromethoxybenzoic acid	206	C8H5F3O3	001014-81-9	25
3	4-(Trifluoromethoxy)benzoic acid	206	C8H5F3O3	000330-12-1	22
4	5-Bromo-2-(methylthio)pyrimidine	204	C5H5BrN2S	014001-67-3	22
5	4,7-Dimethoxy-2-methylindan-1-one	206	C12H14O3	061227-52-9	15





Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF063025\
Data File : BF142939.D
Acq On : 01 Jul 2025 03:14
Operator : RC/JU
Sample : Q2457-01 5X
Misc :
ALS Vial : 25 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
OK-2-062725

Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF061925.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

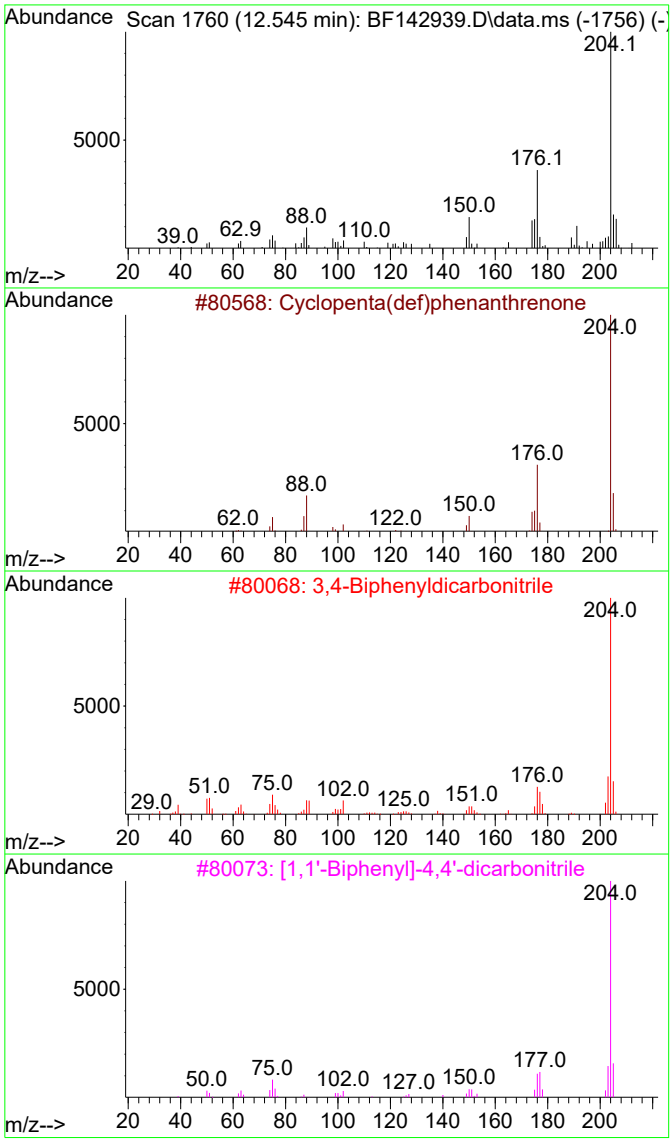
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

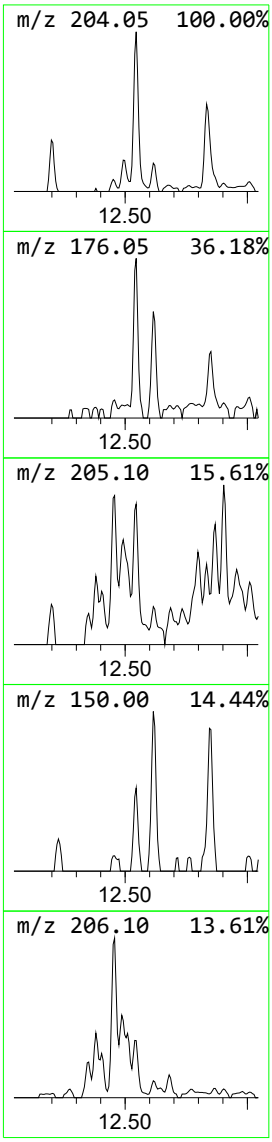
****

Peak Number 5 Cyclopenta(def)phenanthrenone Concentration Rank 7

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.545	2.04 ng	38927	Phenanthrene-d10	11.404

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Cyclopenta(def)phenanthrenone	204	C15H8O	005737-13-3	87
2	3,4-Biphenyldicarbonitrile	204	C14H8N2	004128-63-6	53
3	[1,1'-Biphenyl]-4,4'-dicarbonitrile	204	C14H8N2	001591-30-6	53
4	[1,1'-Biphenyl]-2,2'-dicarbonitrile	204	C14H8N2	004341-02-0	50
5	3-(4-Fluorophenoxy)phenol	204	C12H9FO2	025967-60-6	49





Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF063025\
Data File : BF142939.D
Acq On : 01 Jul 2025 03:14
Operator : RC/JU
Sample : Q2457-01 5X
Misc :
ALS Vial : 25 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
OK-2-062725

Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF061925.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

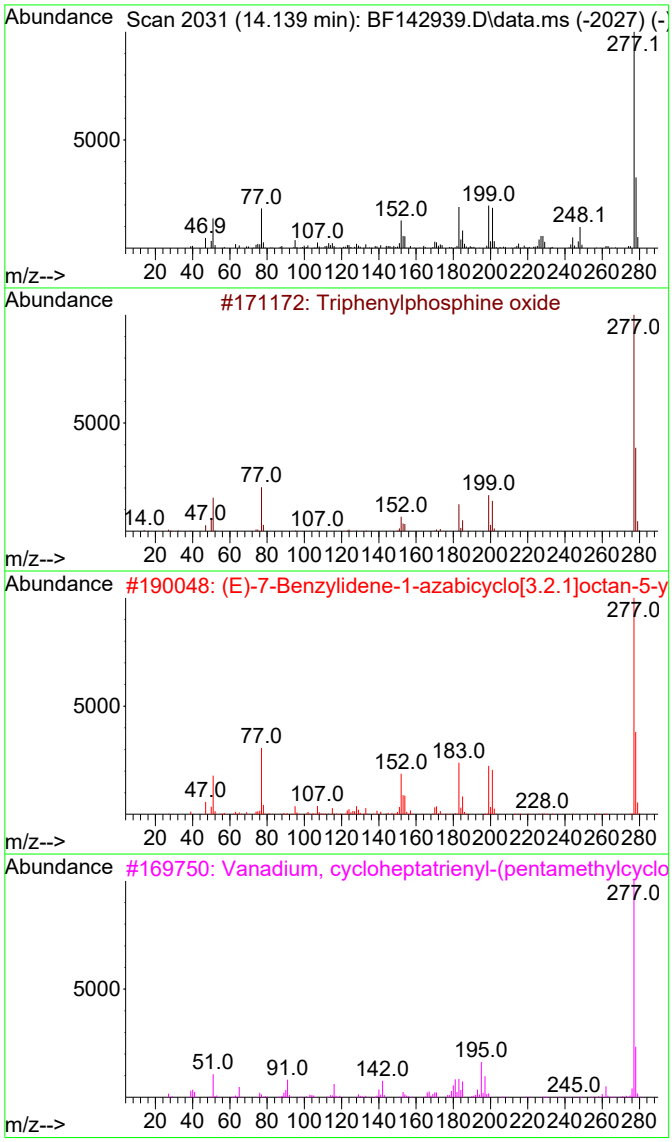
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

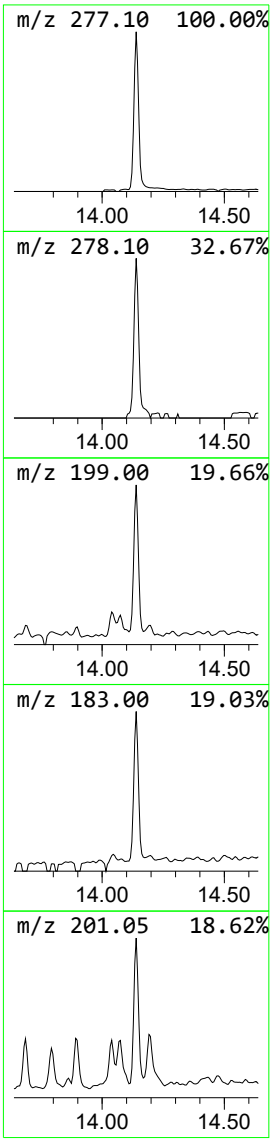
****

Peak Number 6 Triphenylphosphine oxide Concentration Rank 4

R.T.	EstConc	Area	Relative to ISTD	R.T.
14.139	2.94 ng	110710	Chrysene-d12	14.051

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Triphenylphosphine oxide	278	C18H15OP	000791-28-6	96
2	(E)-7-Benzylidene-1-azabicyclo[3...	293	C15H19NO3S	1000483-83-4	49
3	Vanadium, cycloheptatrienyl-(pen...	277	C17H22V	1000155-20-5	47
4	Cobalt,(.eta.<5>-2,4-cyclopentad...	277	C16H15BCo	036682-12-9	43
5	Formaldehyde, (triphenylphosphor...	304	C19H17N2P	015990-54-2	42





Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF063025\
Data File : BF142939.D
Acq On : 01 Jul 2025 03:14
Operator : RC/JU
Sample : Q2457-01 5X
Misc :
ALS Vial : 25 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
OK-2-062725

Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF061925.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

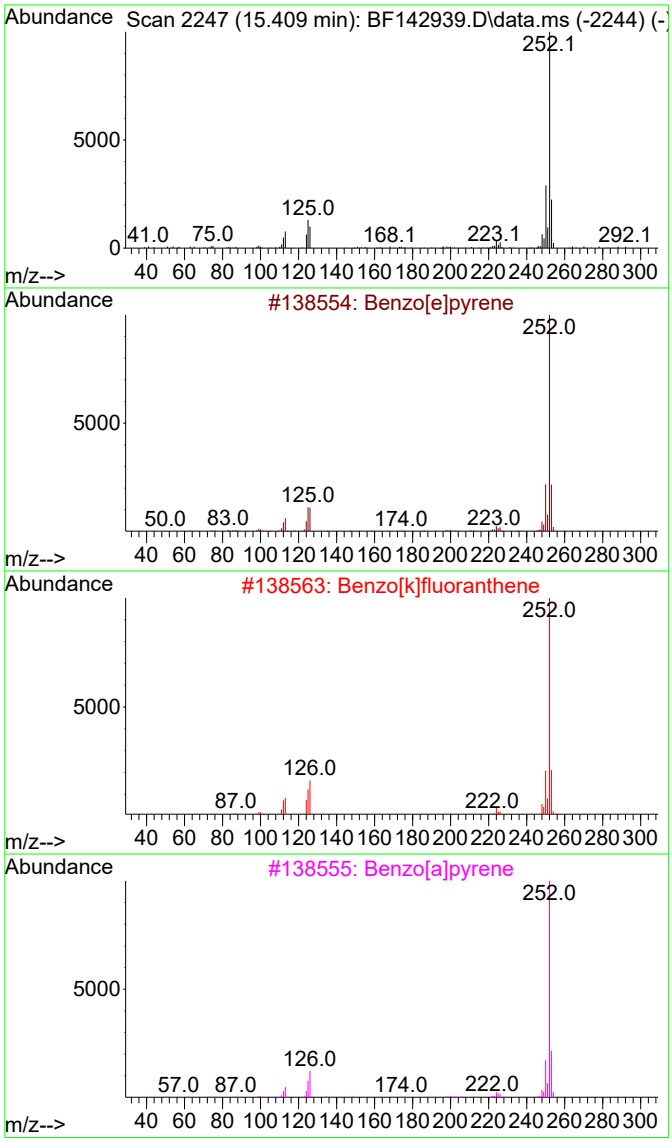
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

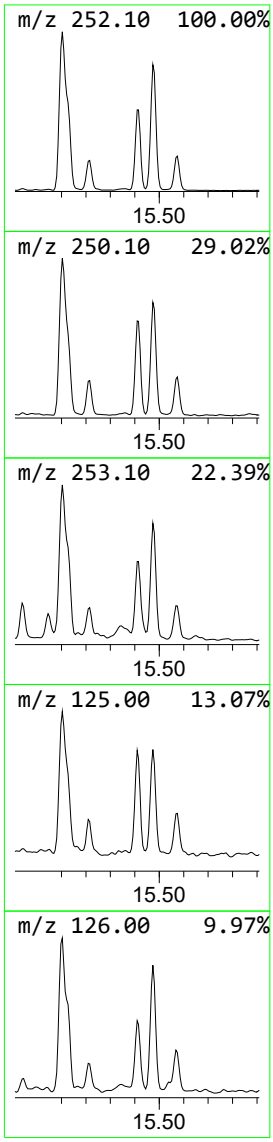
****

Peak Number 7 Benzo[e]pyrene Concentration Rank 1

R.T.	EstConc	Area	Relative to ISTD	R.T.
15.409	5.95 ng	107299	Perylene-d12	15.539

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzo[e]pyrene	252	C20H12	000192-97-2	99
2	Benzo[k]fluoranthene	252	C20H12	000207-08-9	96
3	Benzo[a]pyrene	252	C20H12	000050-32-8	95
4	Benzo[b]fluoranthene	252	C20H12	000205-99-2	95
5	Perylene	252	C20H12	000198-55-0	95





Tentatively Identified Compound (LSC) summary

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF063025\
Data File : BF142939.D
Acq On : 01 Jul 2025 03:14
Operator : RC/JU
Sample : Q2457-01 5X
Misc :
ALS Vial : 25 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
OK-2-062725

Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF061925.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
Anthracene, 2-m...	11.927	2.1	ng	40253	4	11.404	381487	20.0
4H-Cyclopenta[d...	12.015	4.0	ng	75619	4	11.404	381487	20.0
Phenanthrene, 2...	12.457	2.5	ng	48575	4	11.404	381487	20.0
unknown12.486	12.486	3.5	ng	65927	4	11.404	381487	20.0
Cyclopenta(def)...	12.545	2.0	ng	38927	4	11.404	381487	20.0
Triphenylphosph...	14.139	2.9	ng	110710	5	14.051	752586	20.0
Benzo[e]pyrene	15.409	6.0	ng	107299	6	15.539	360795	20.0